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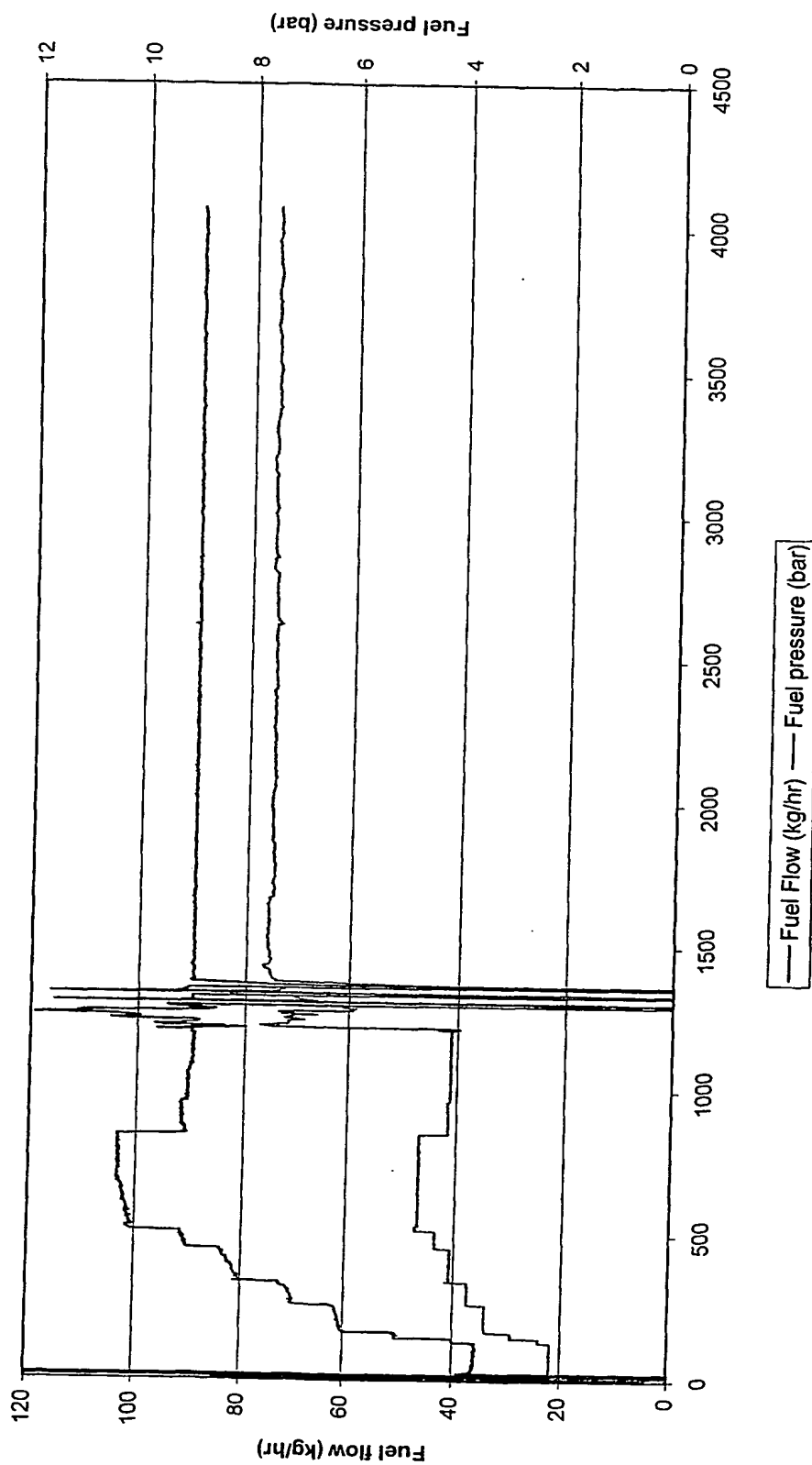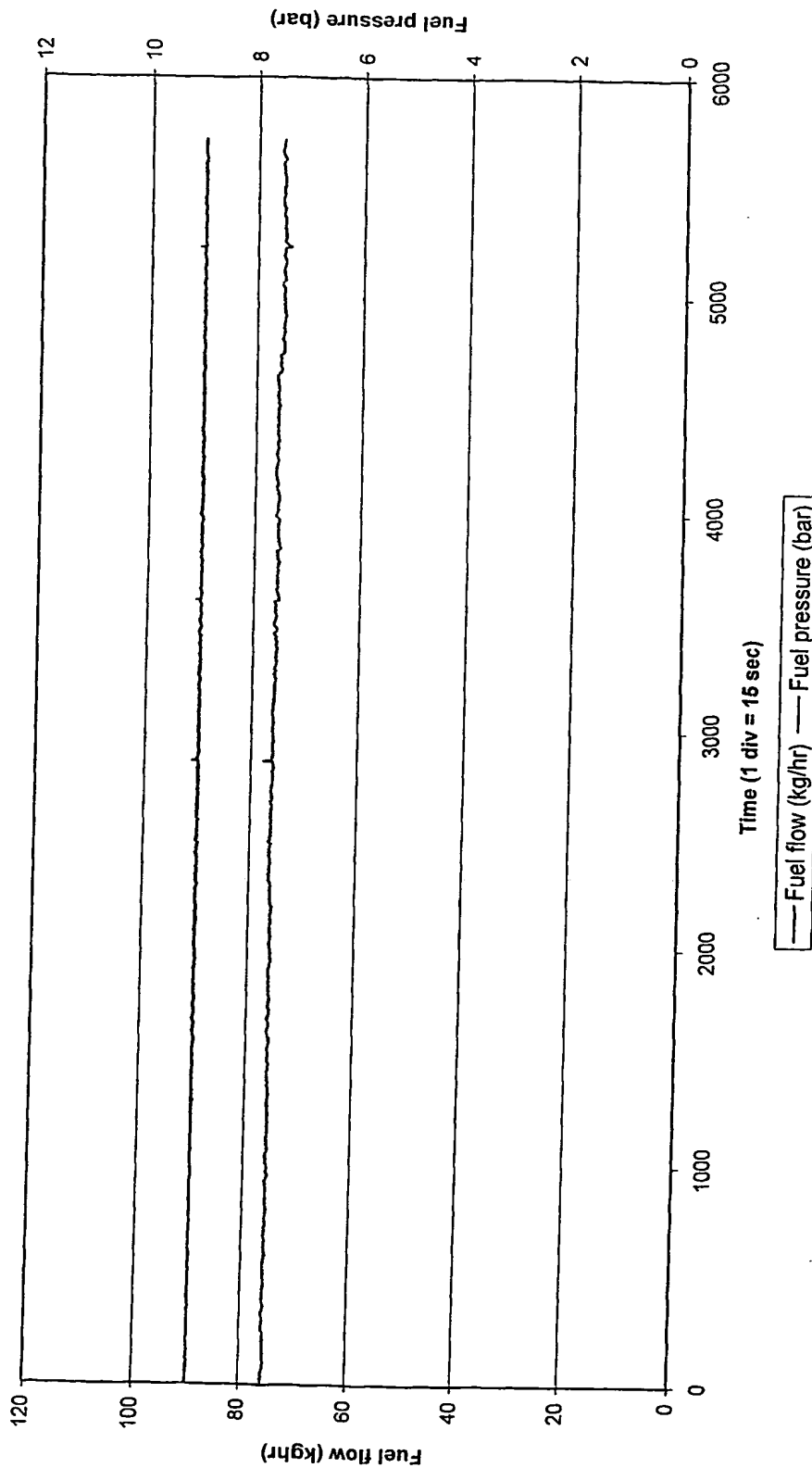

Figure 1a Fuel flowrates (Day 1)
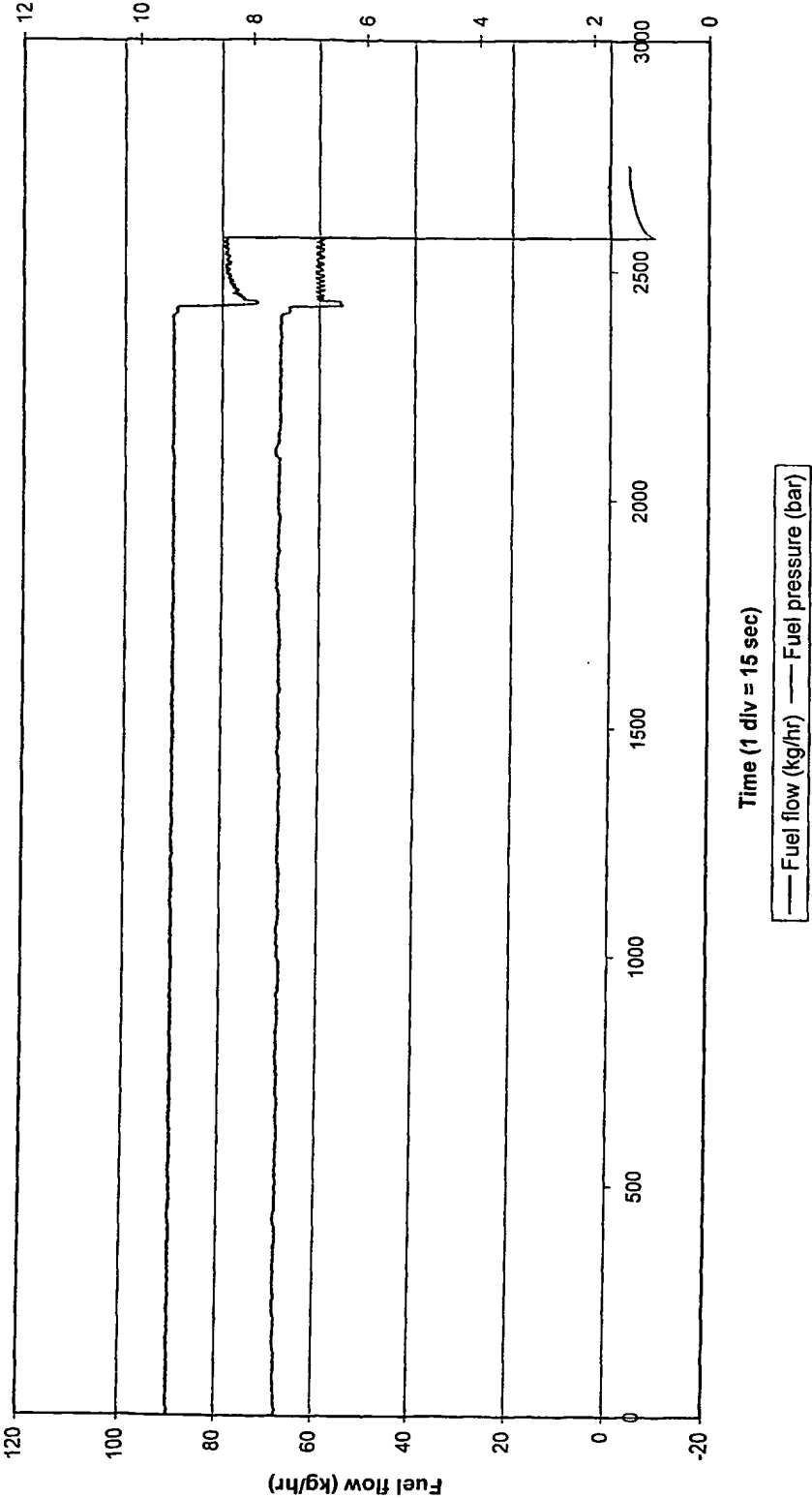
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Figure 1b Fuel flow and firing pressure (Day 2)
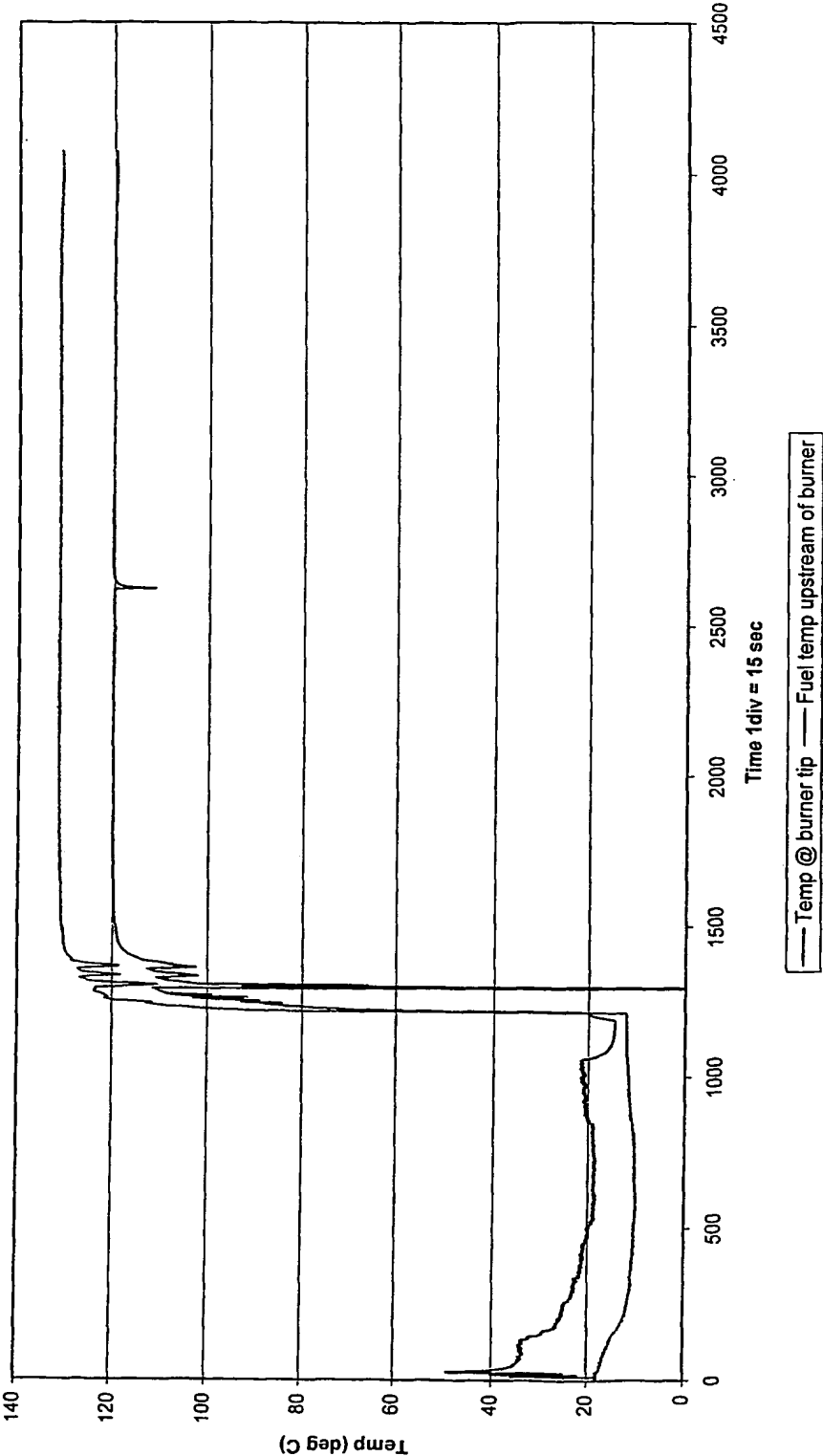
Figure 1c - Fuel flow and pressure (Day 3)

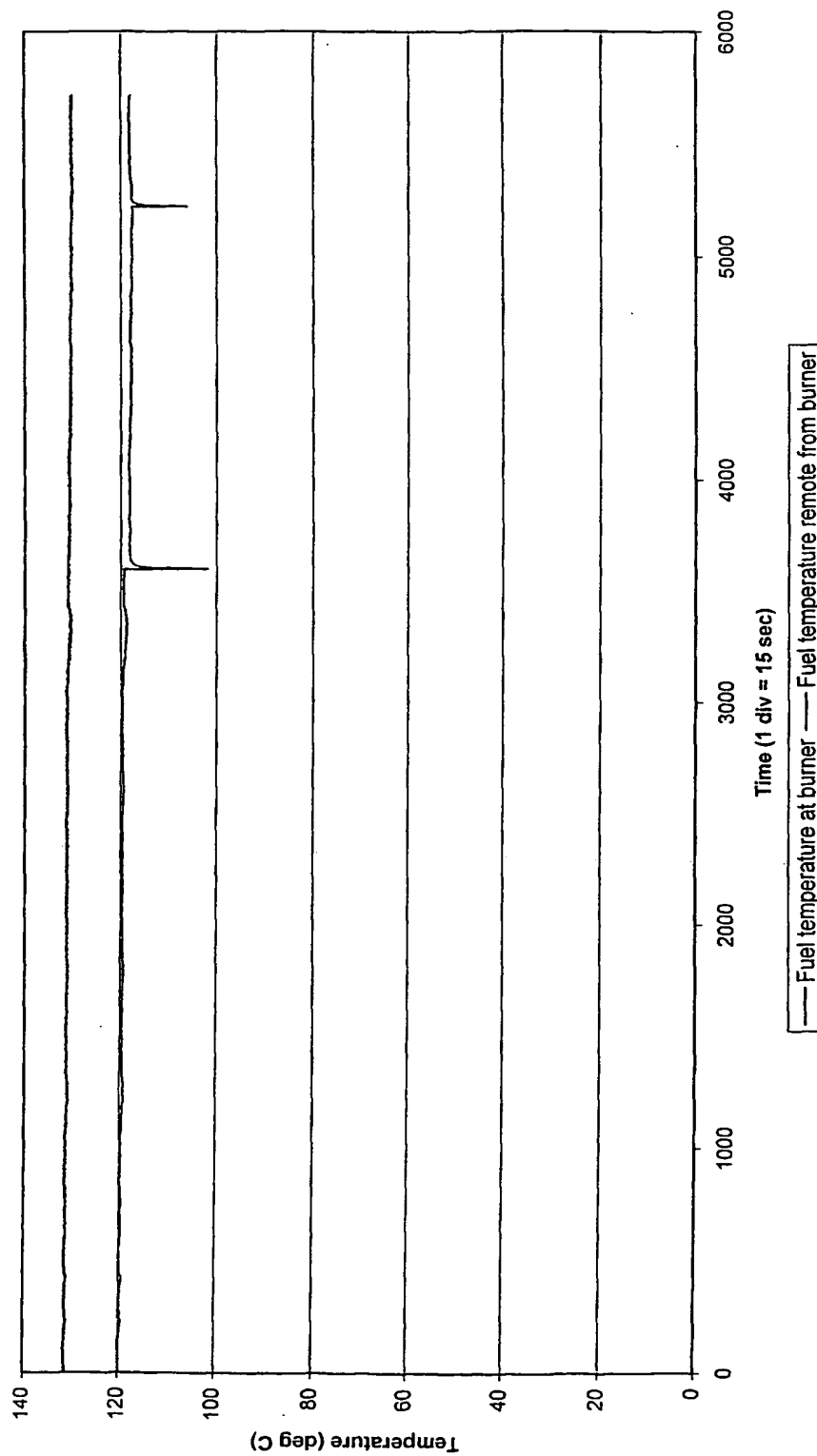Figure 2a - Fuel temperature (Day 1)

Time 1div = 15 sec
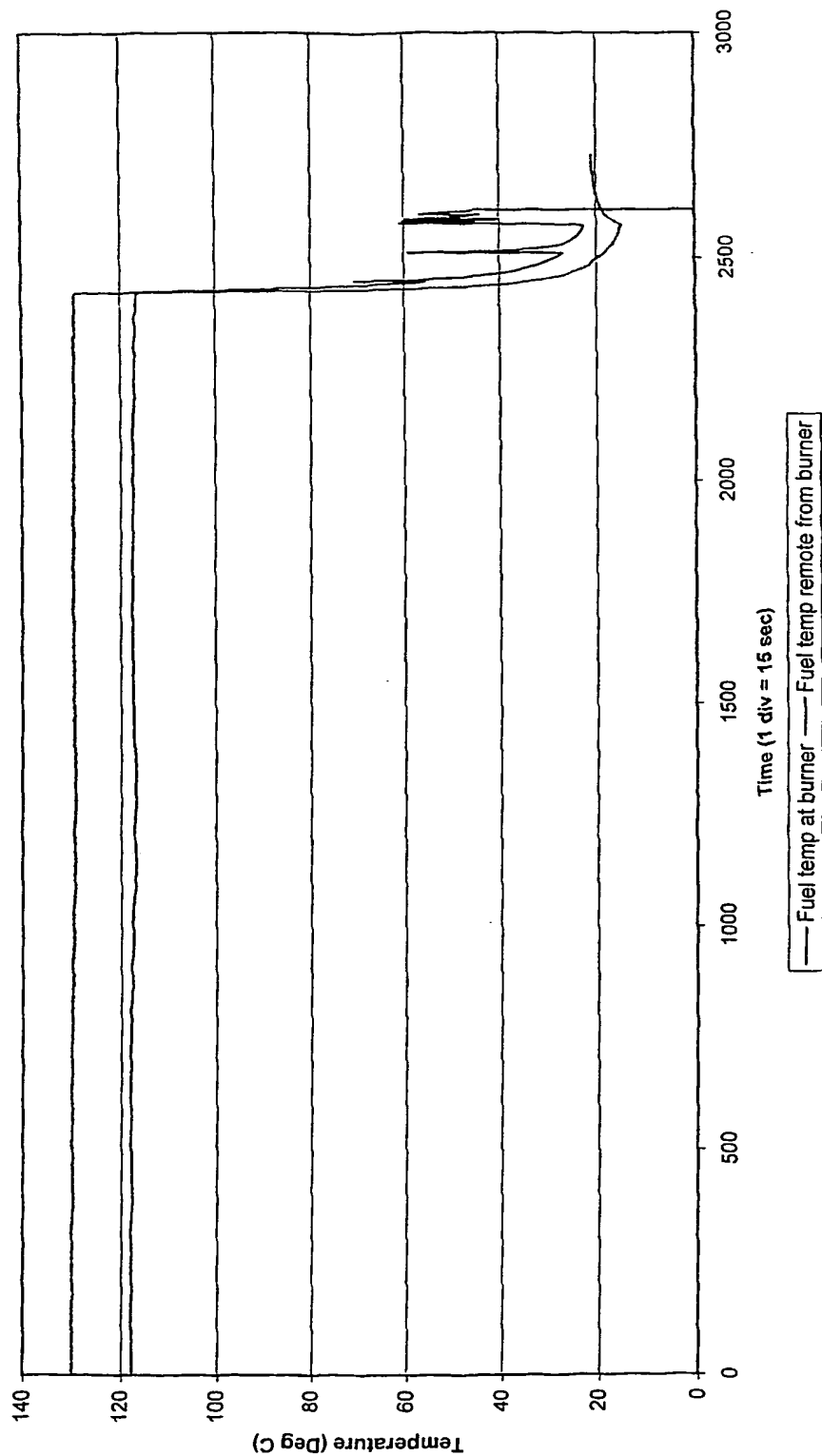
—— Temp @ burner tip —— Fuel temp upstream of burner

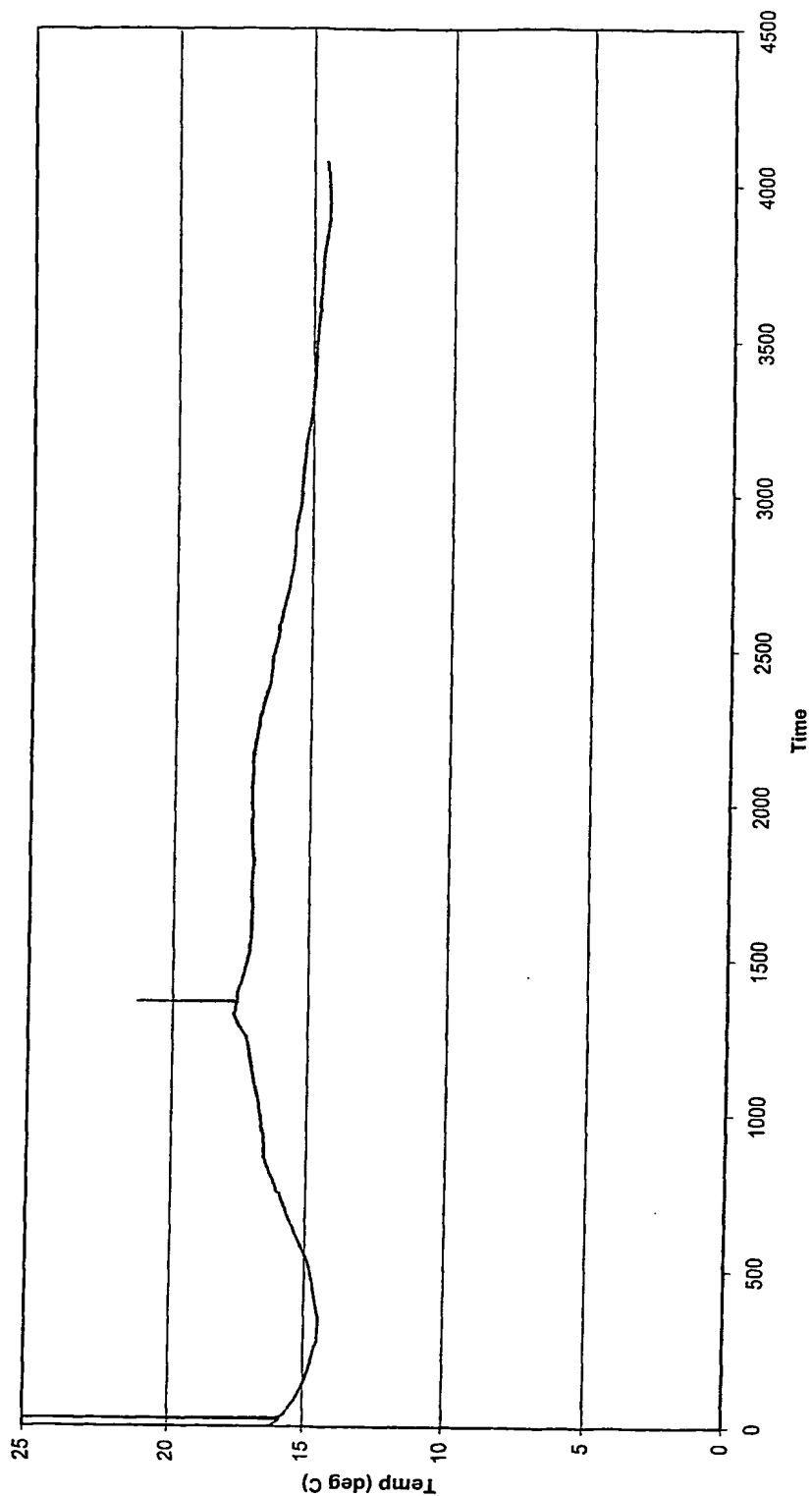Figure 2b - Fuel temperature (Day 2)
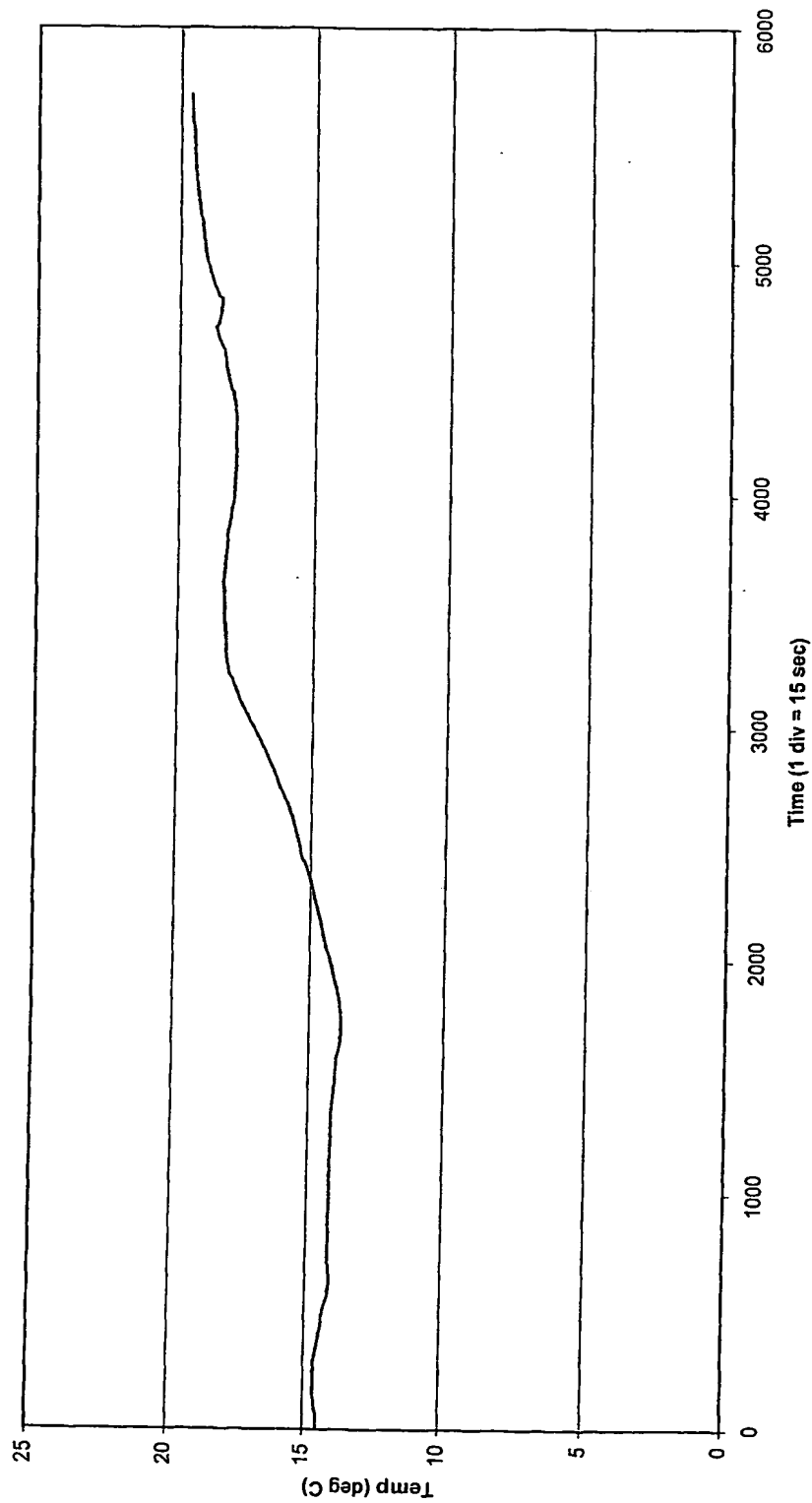
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Figure 2c - Fuel temperature (Day 3)

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Figure 3a Windbox temp (Day 1)

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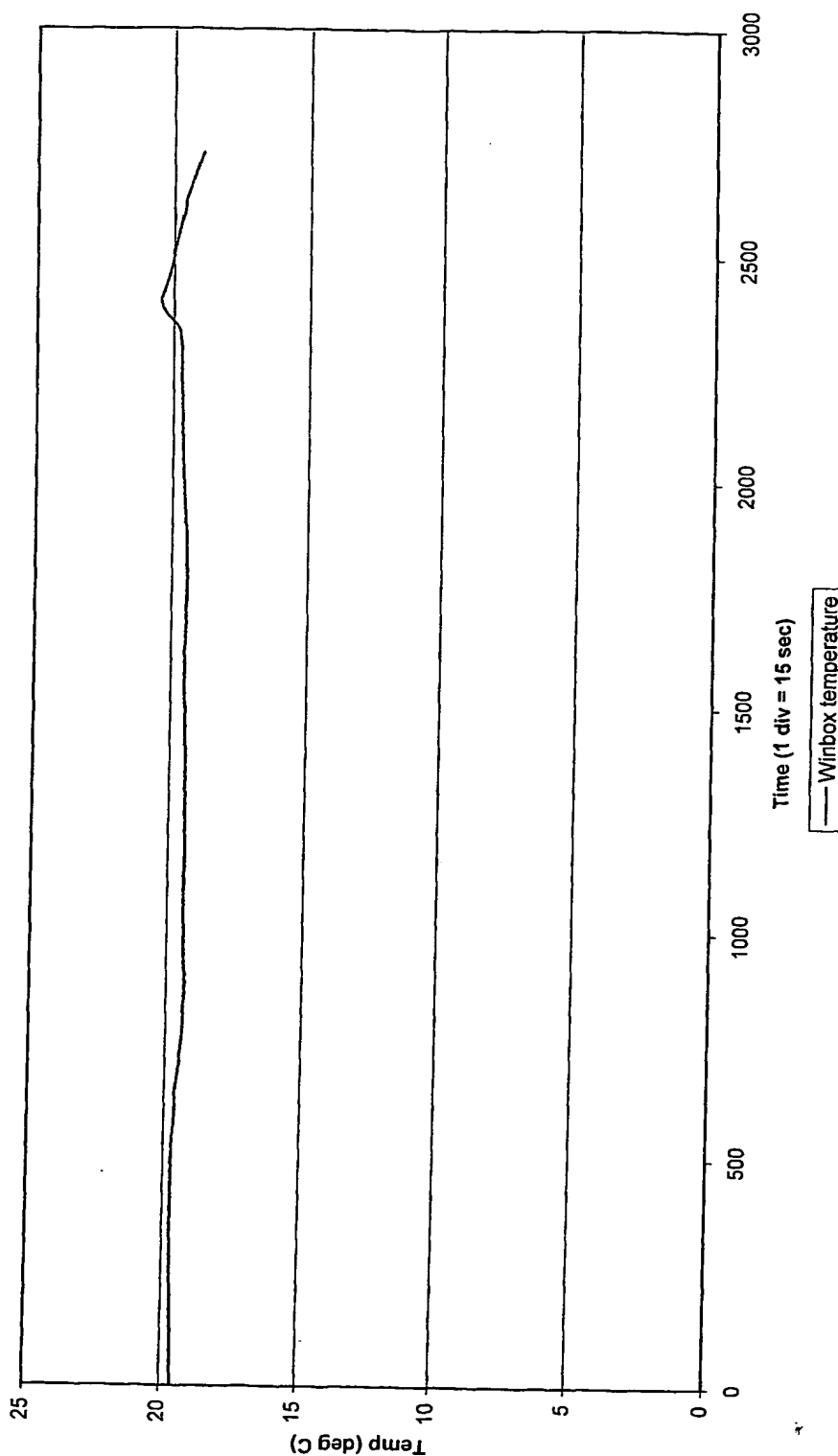Fig 3b Windbox temperature (Day 2)
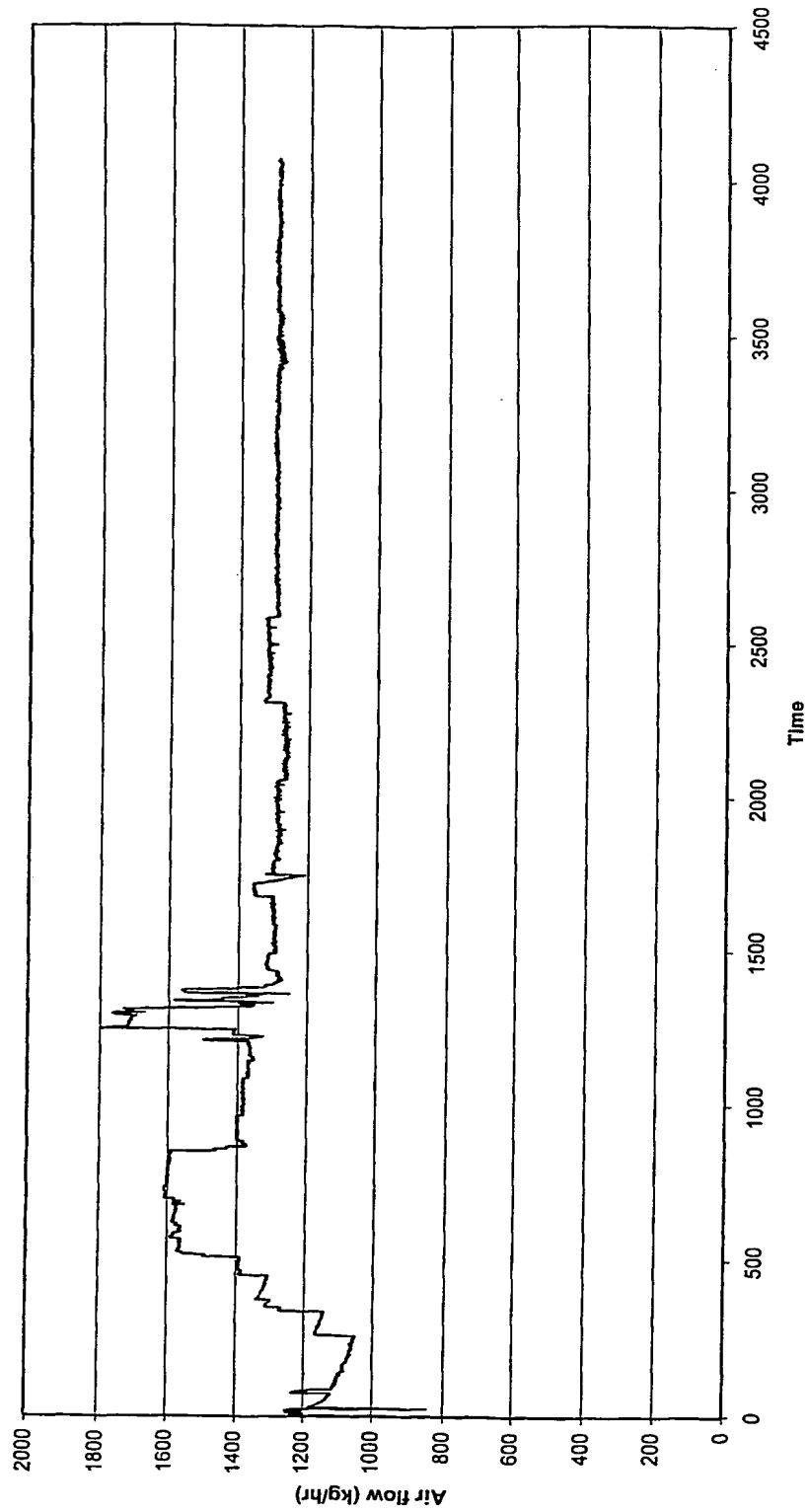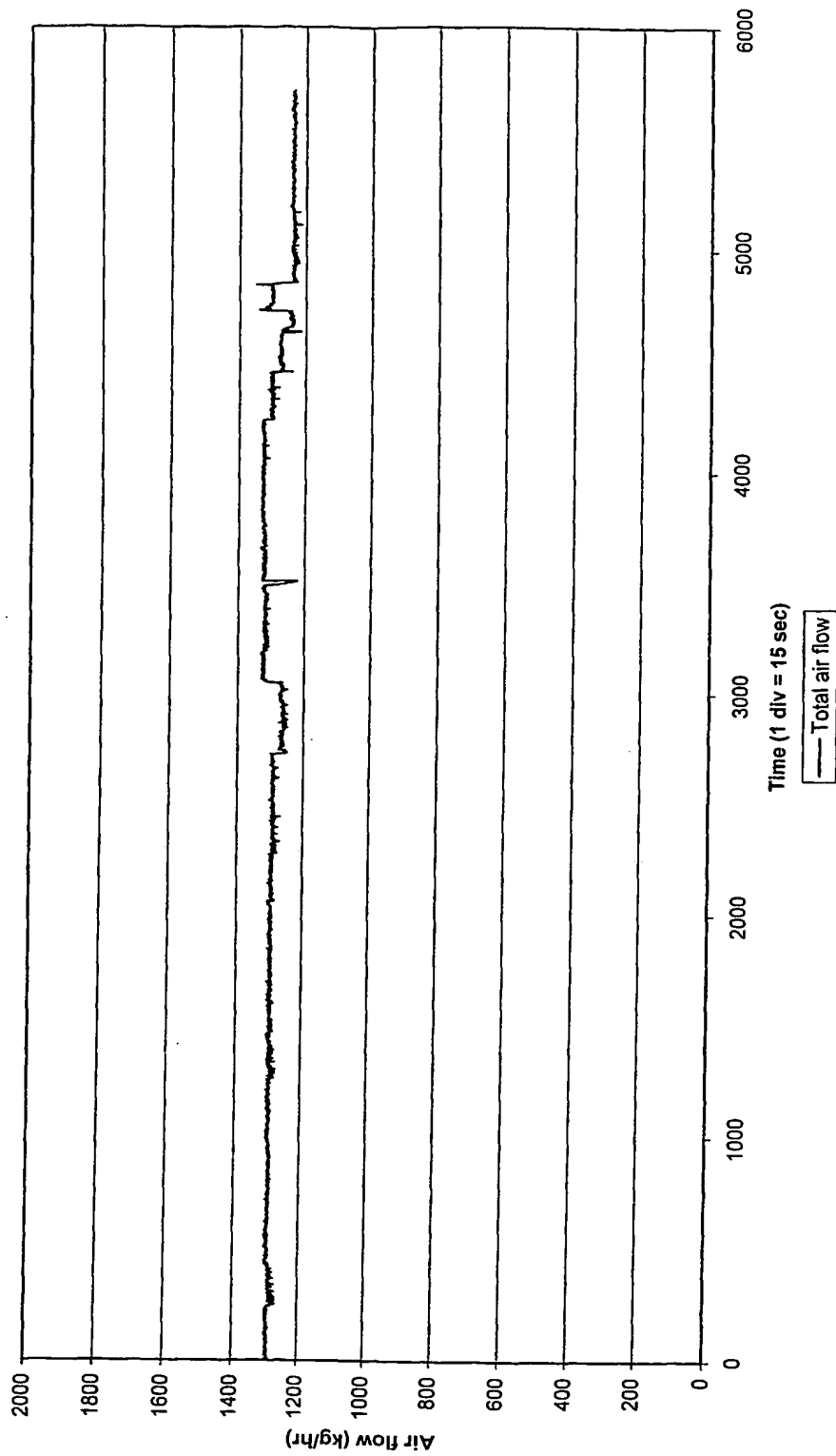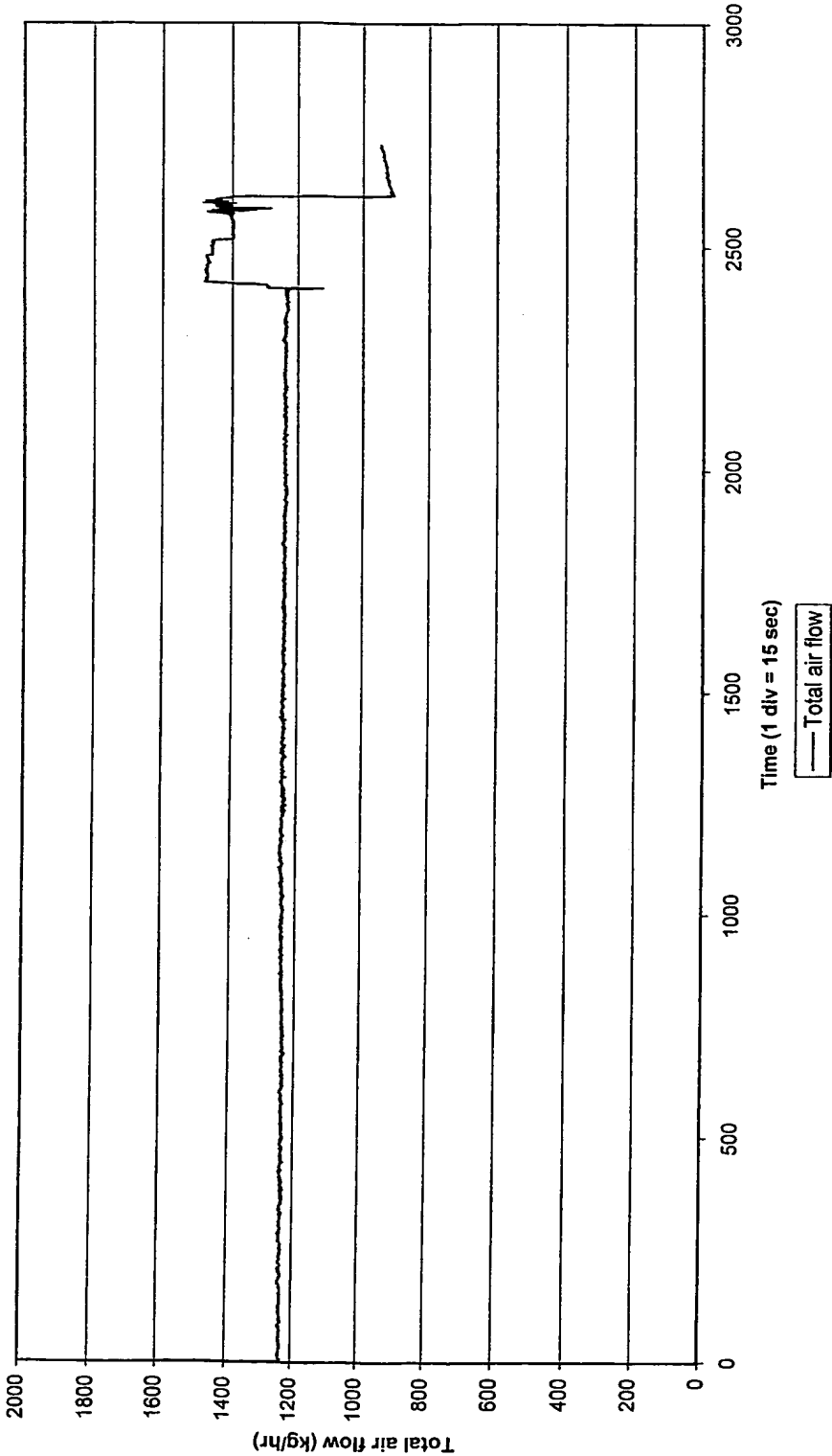
Figure 3c - Winbox temperature (Day 3)

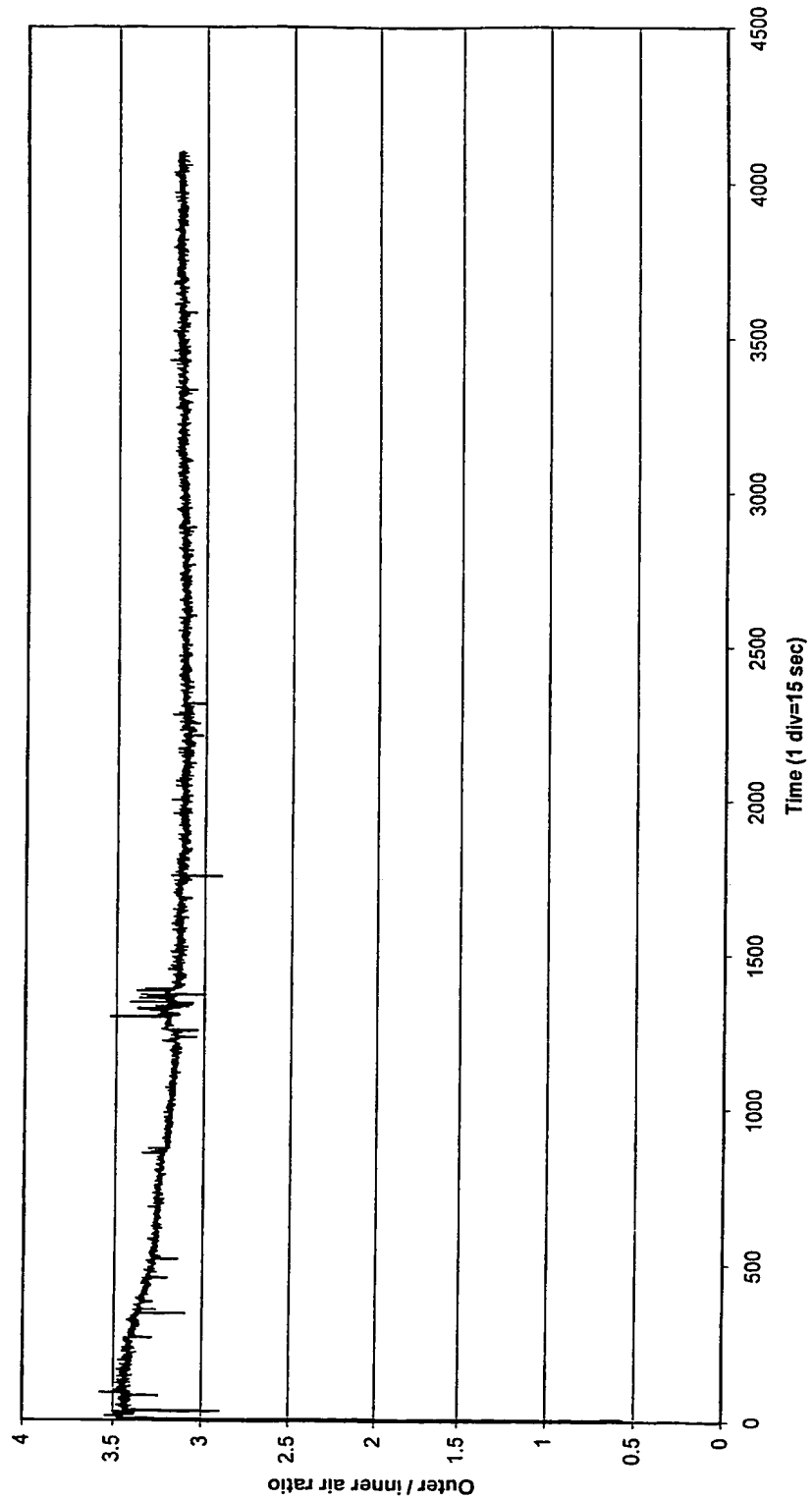Fig 4a - Total air flow (Day 1)

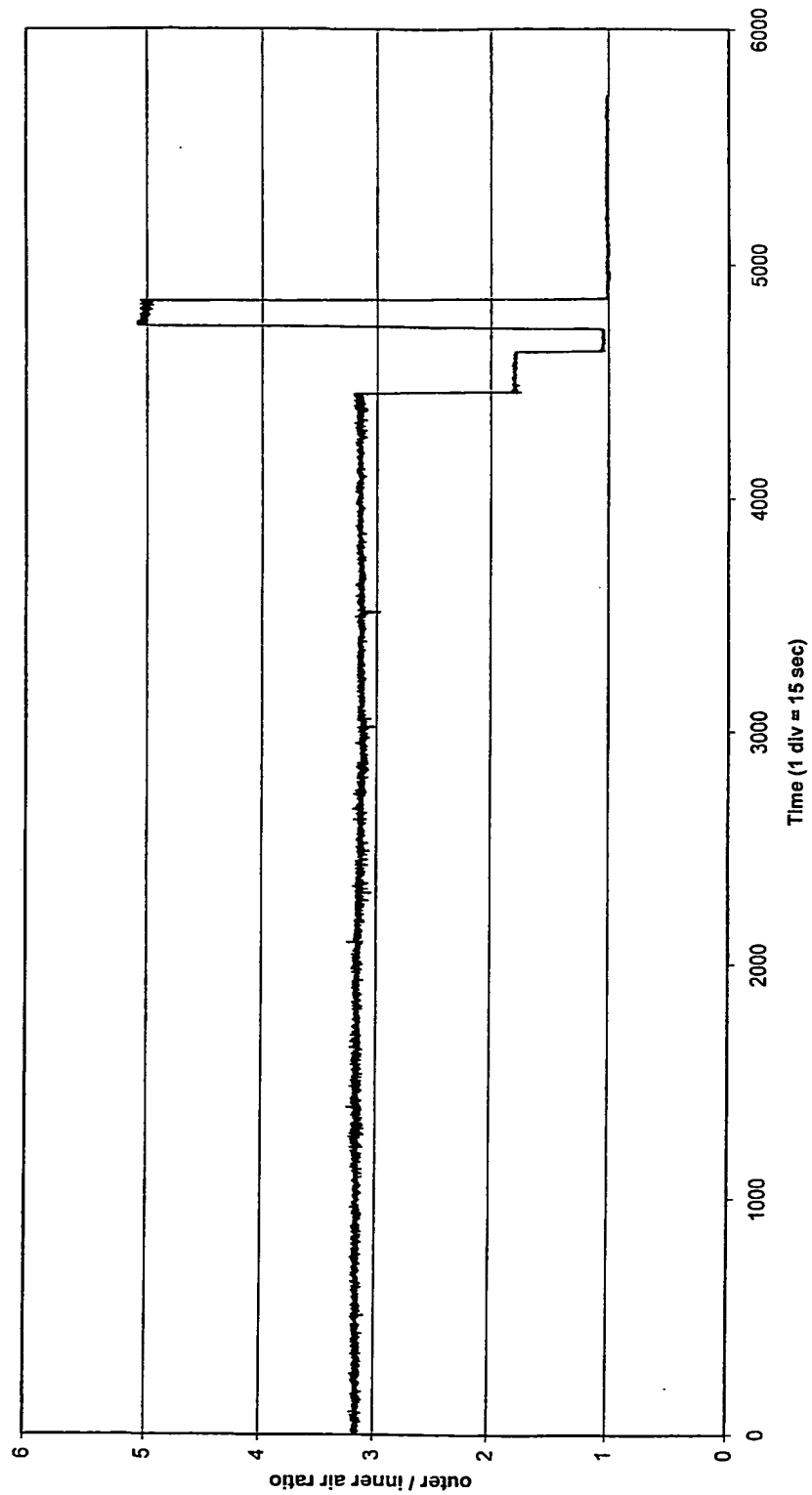Figure 4b - Total air flow (Day 2)

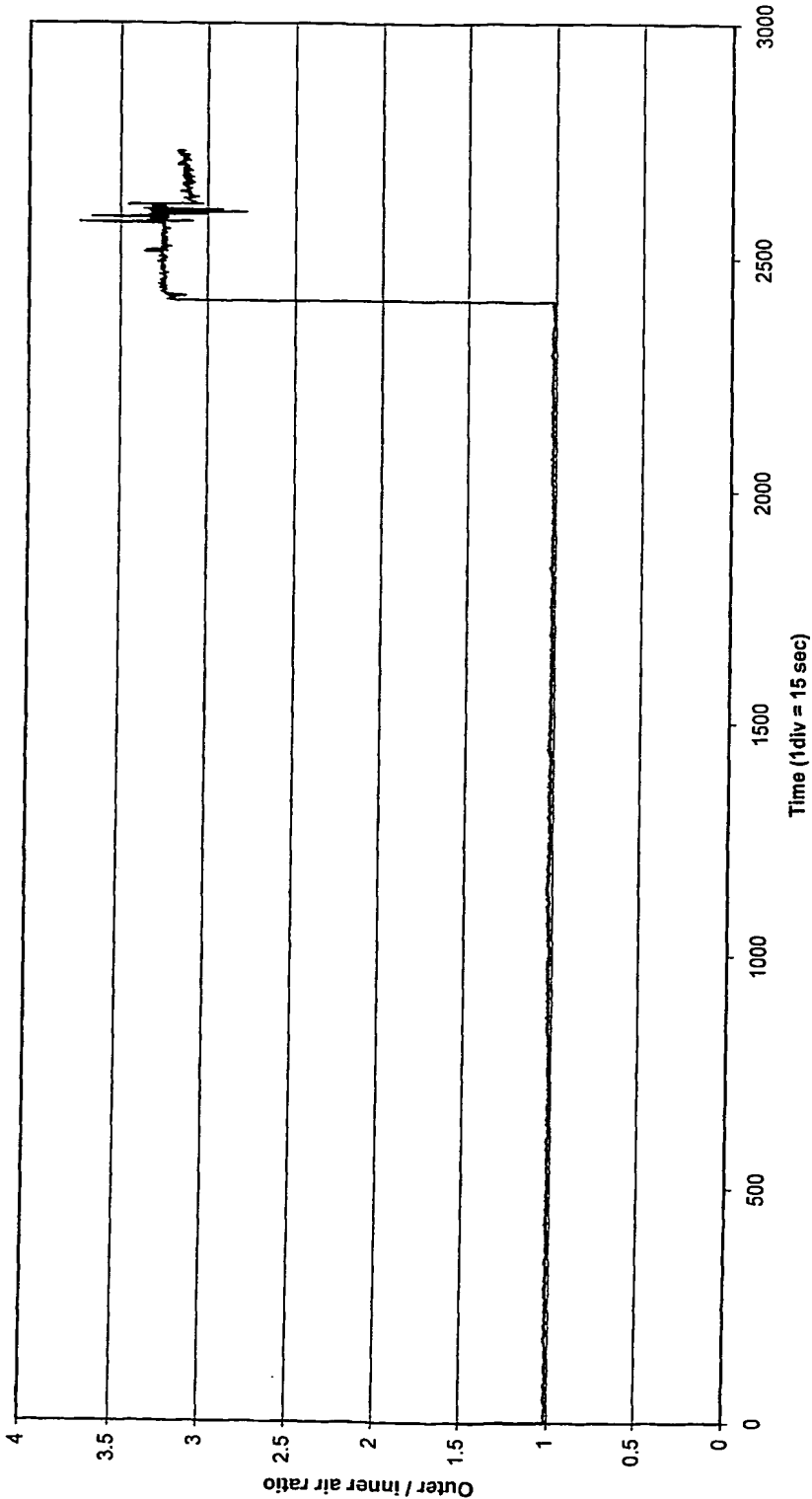Fig 4c - Total air flow (Day 3)

Figure 5a - Outer / inner air ratio (Day 1)
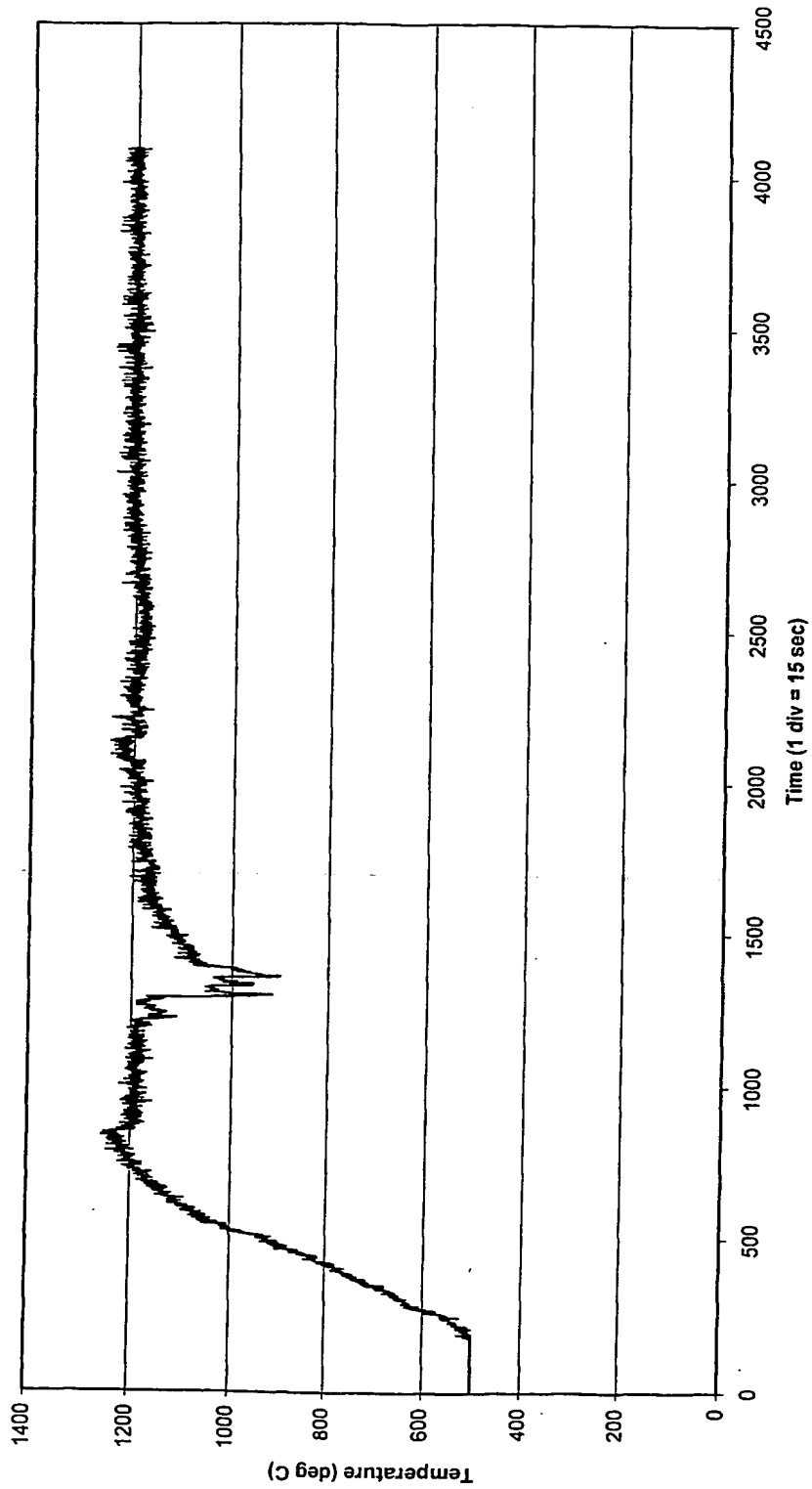
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Figure 5b Outer / inner air ratio (Day 2)
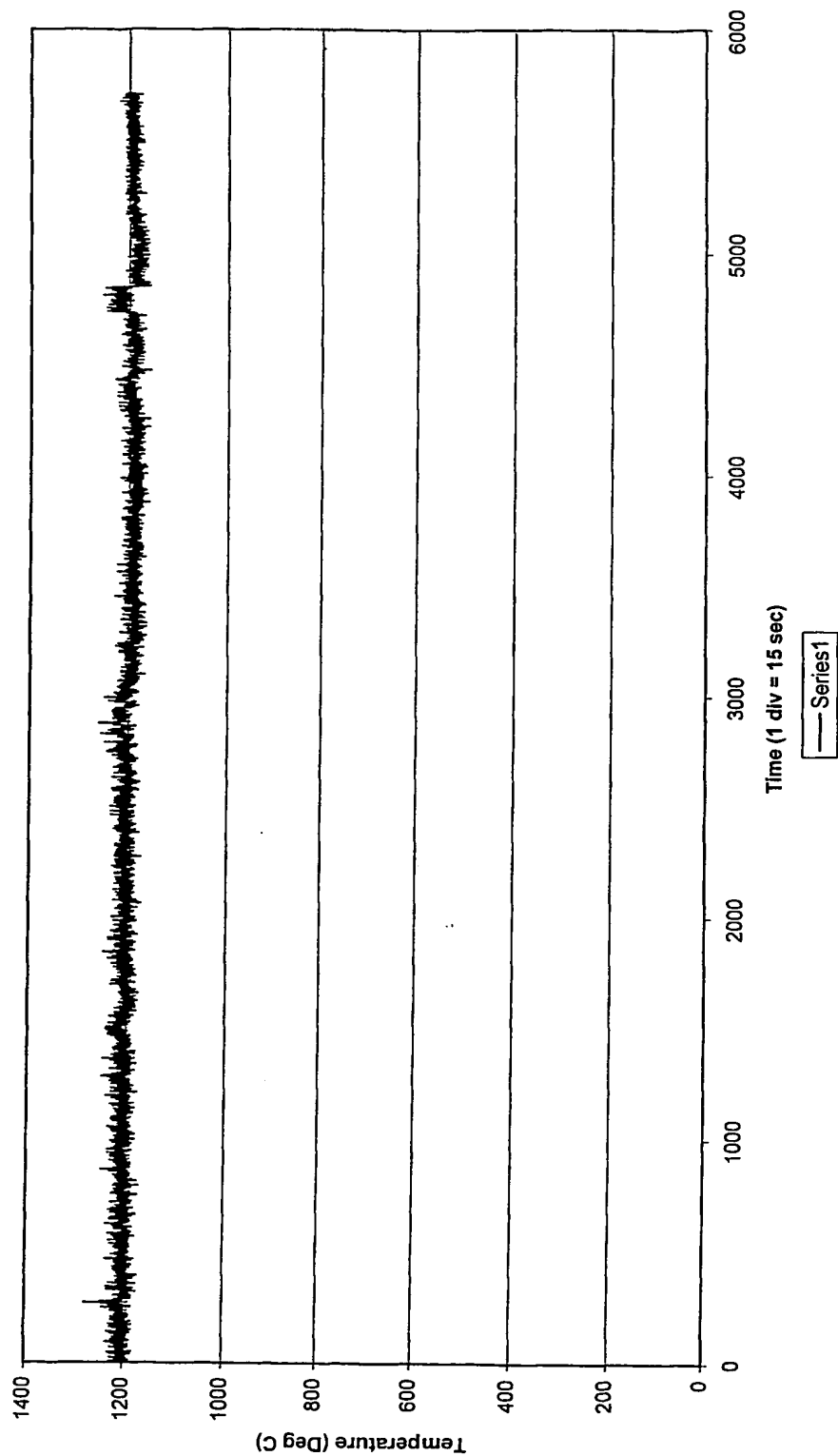
Figure 5c Air flow ratio (Day 3)
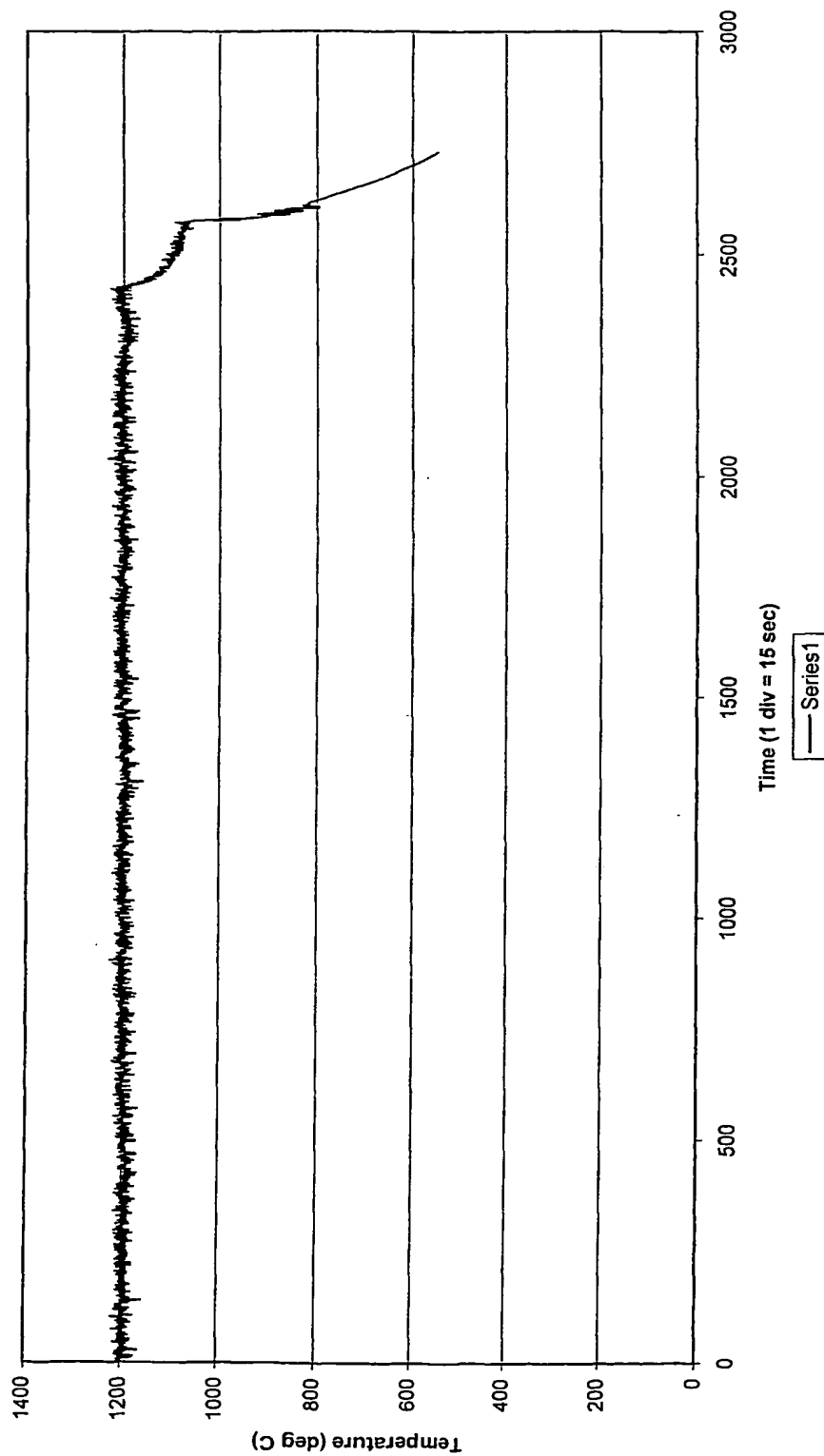
Figure 6a Combustion chamber temperature (Day 1)
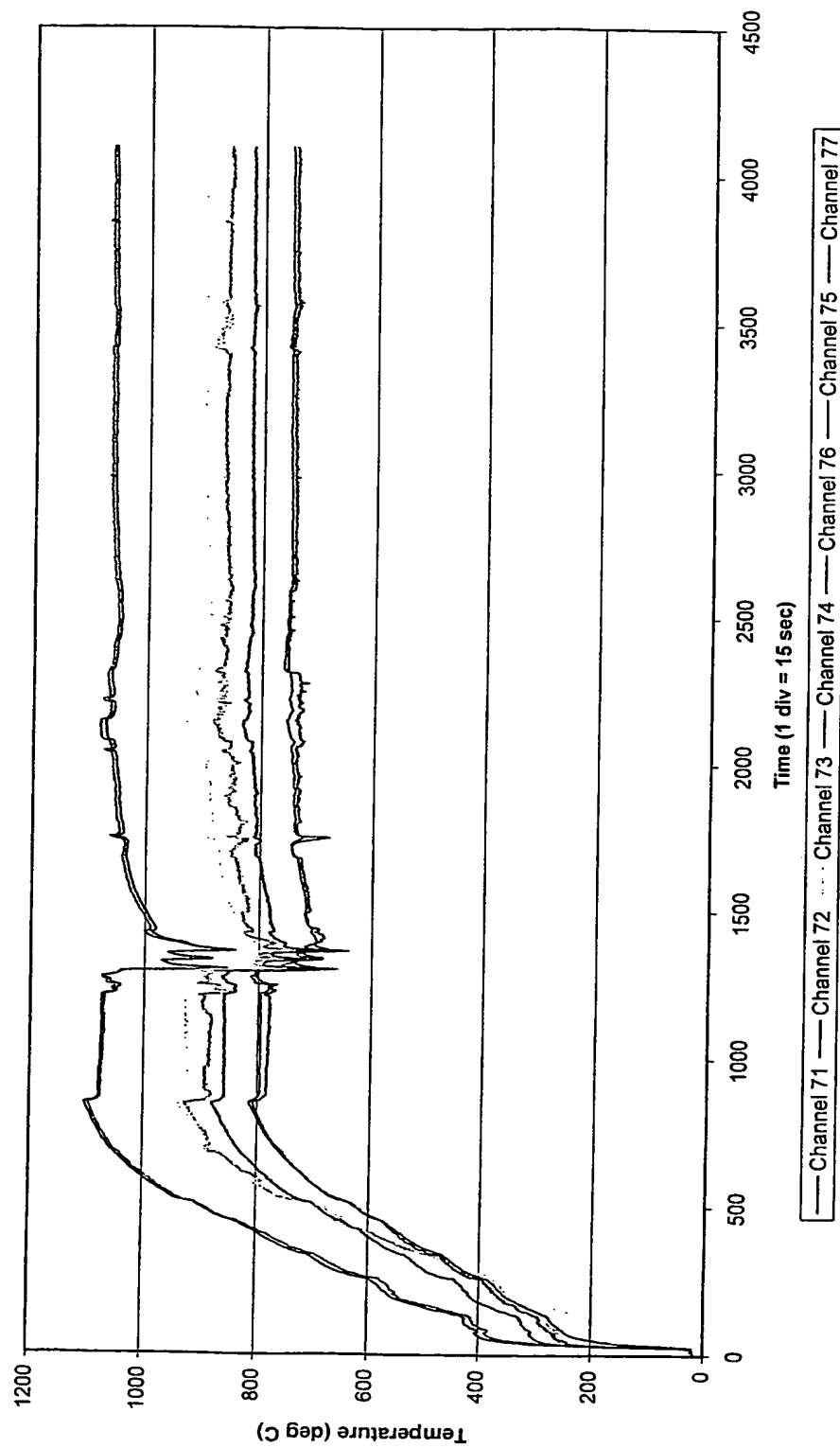
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Figure 6b Combustion chamber temperature (Day 2)

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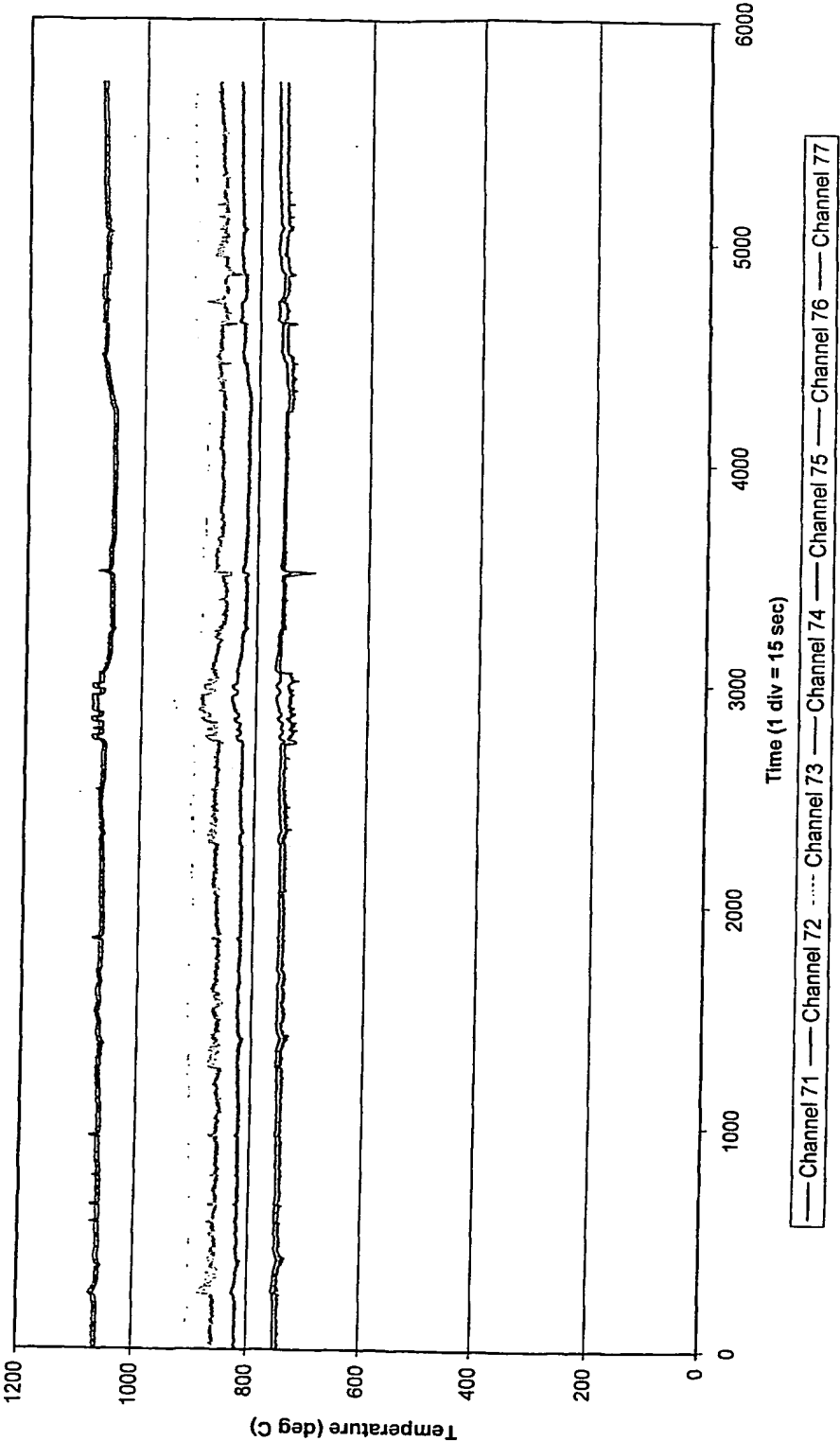Figure 6c - Combustion chamber temperature (Day 3)
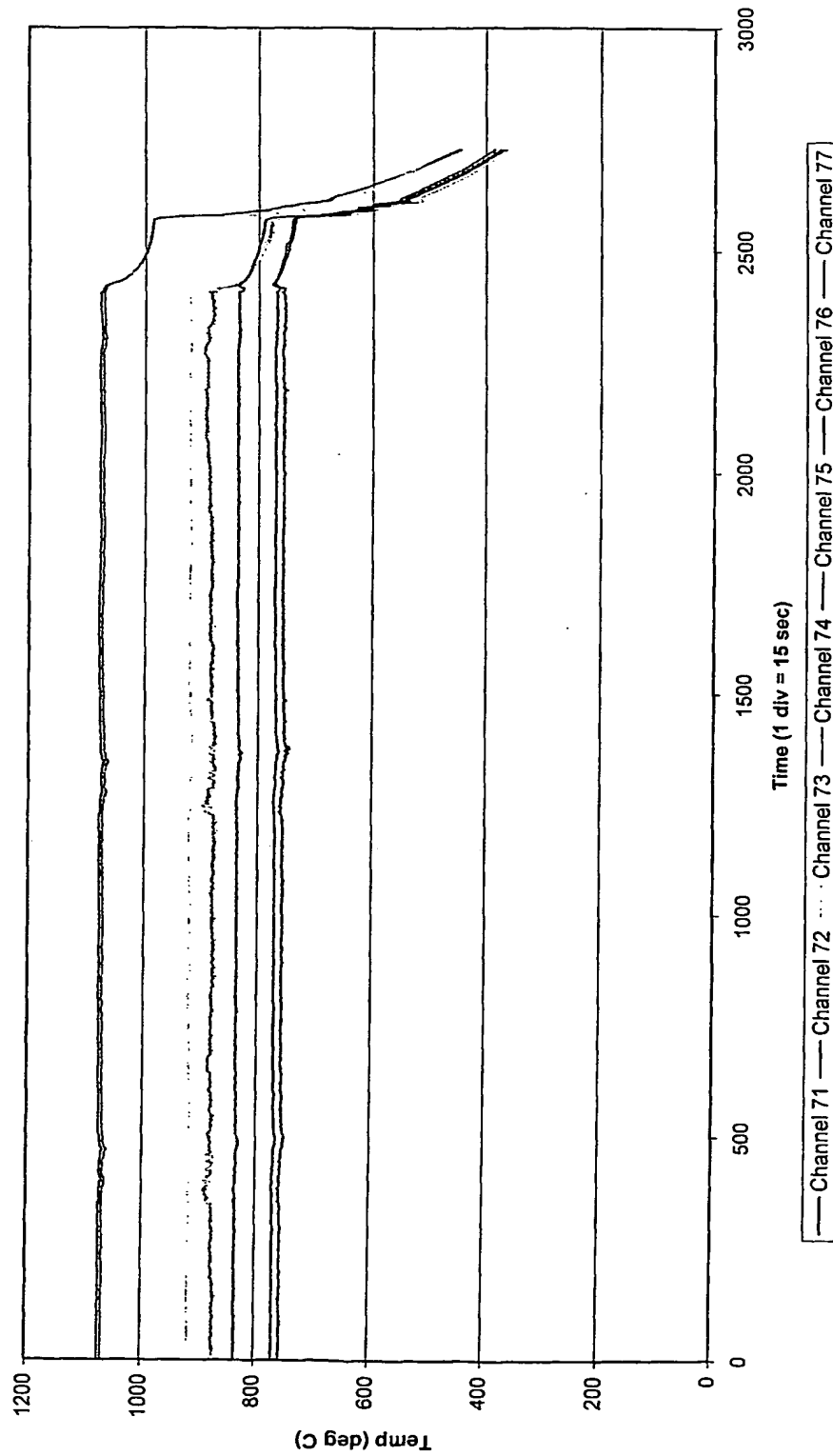
Figure 7a, Fluegas duct temperature measurements

Figure 7b Fluegas duct temperatures (Day 2)

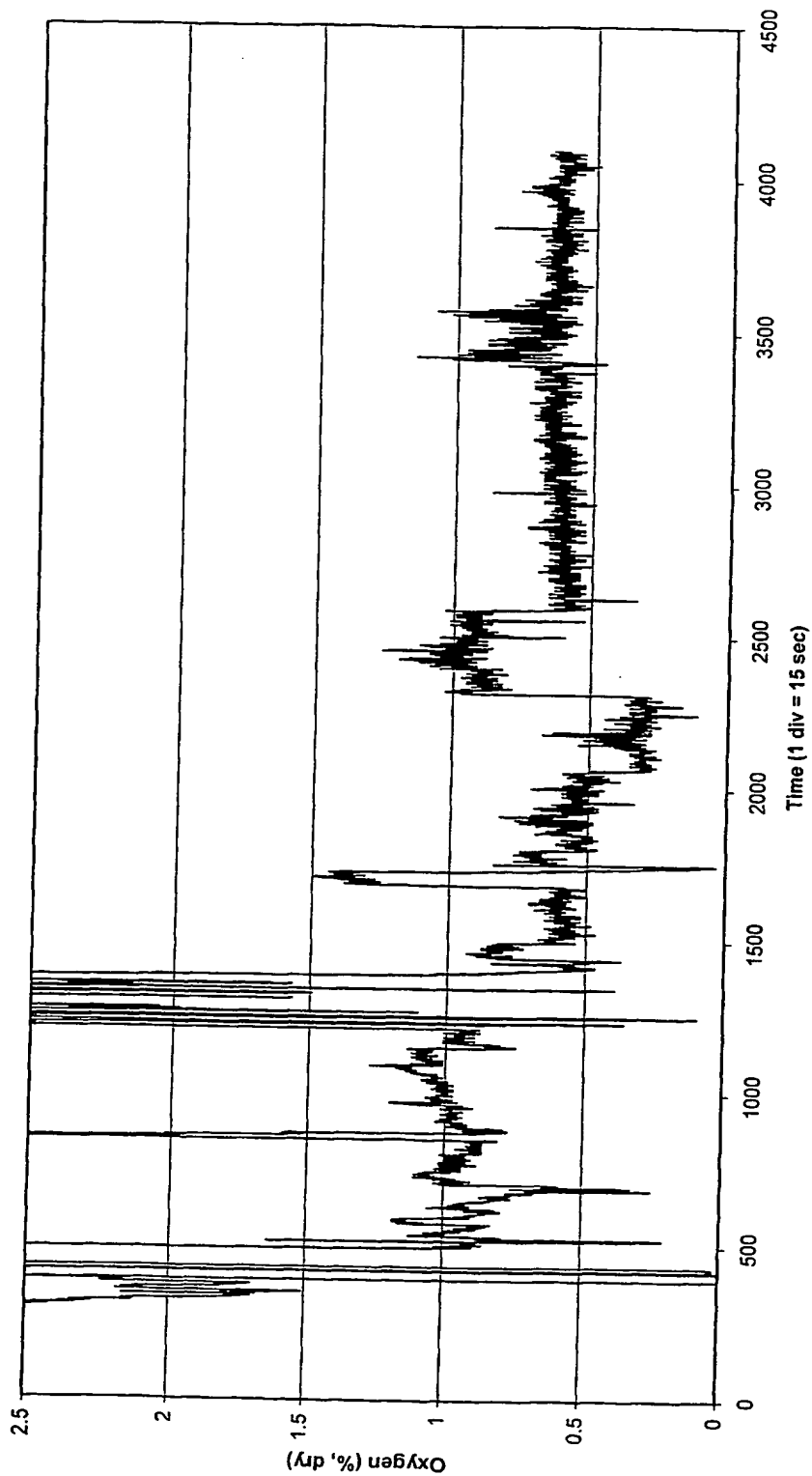Fig 7c - Fluegas duct temperatures (Day 3)

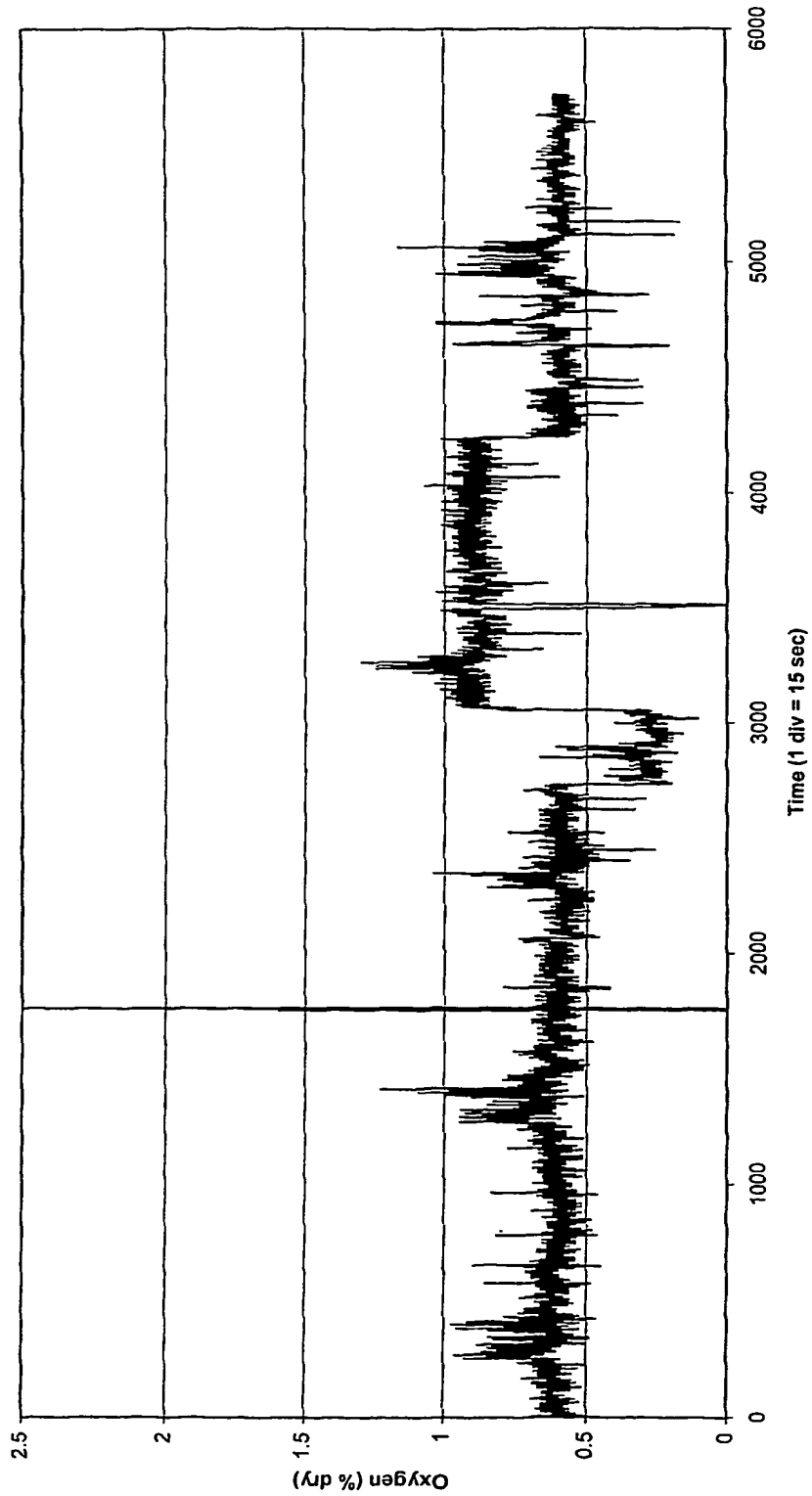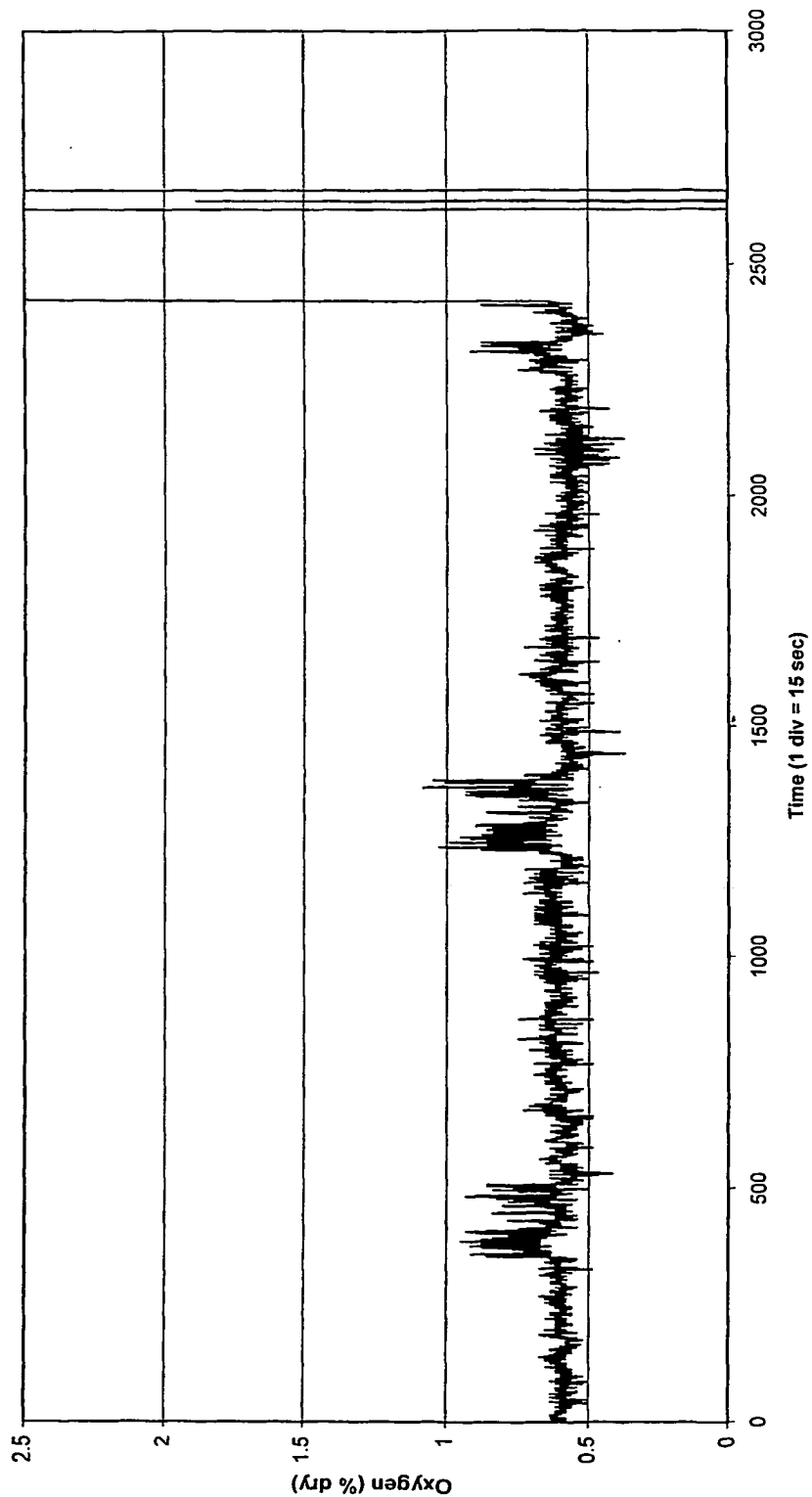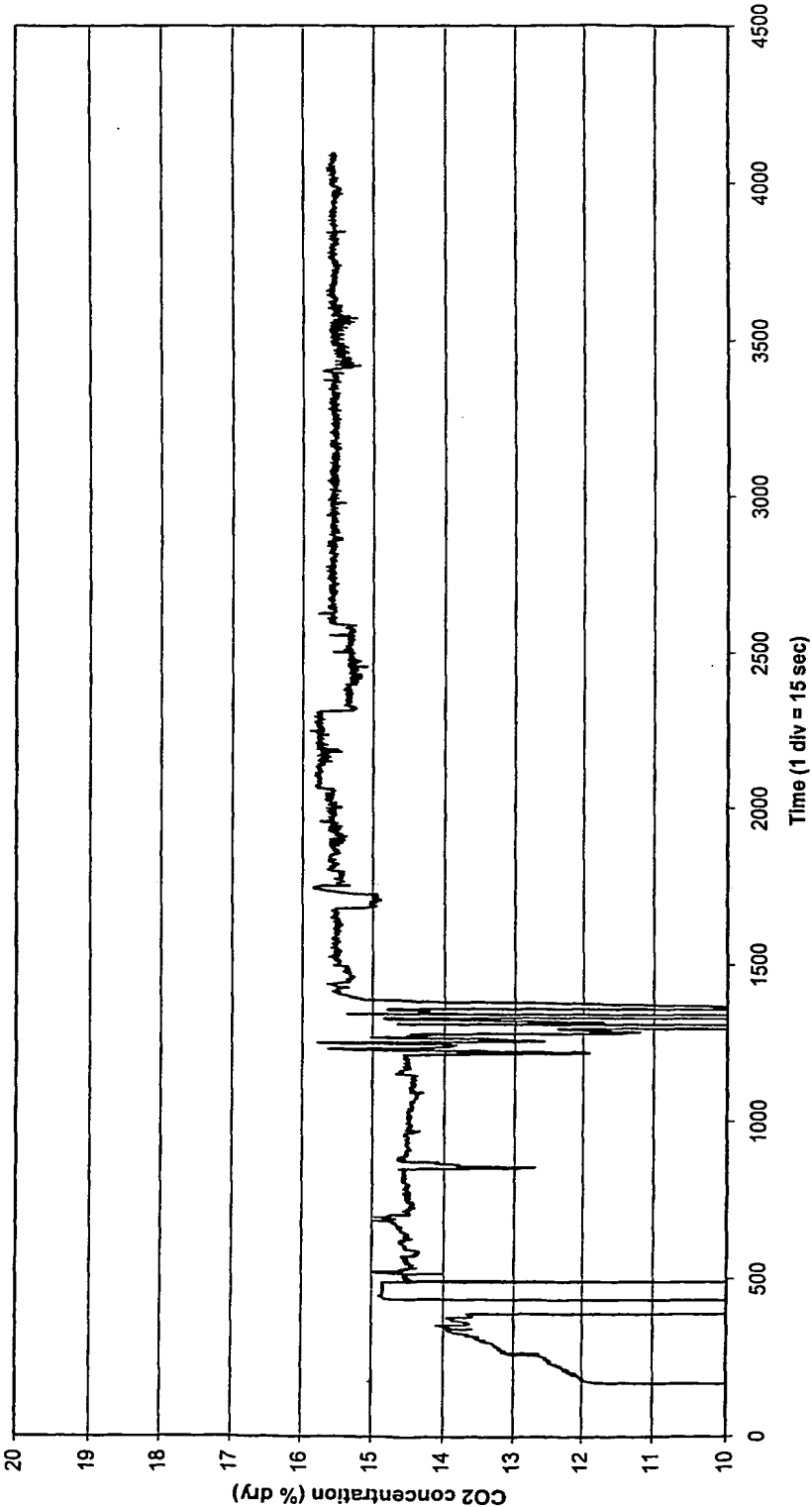Fig 8a Stack Oxygen levels (Day 1)
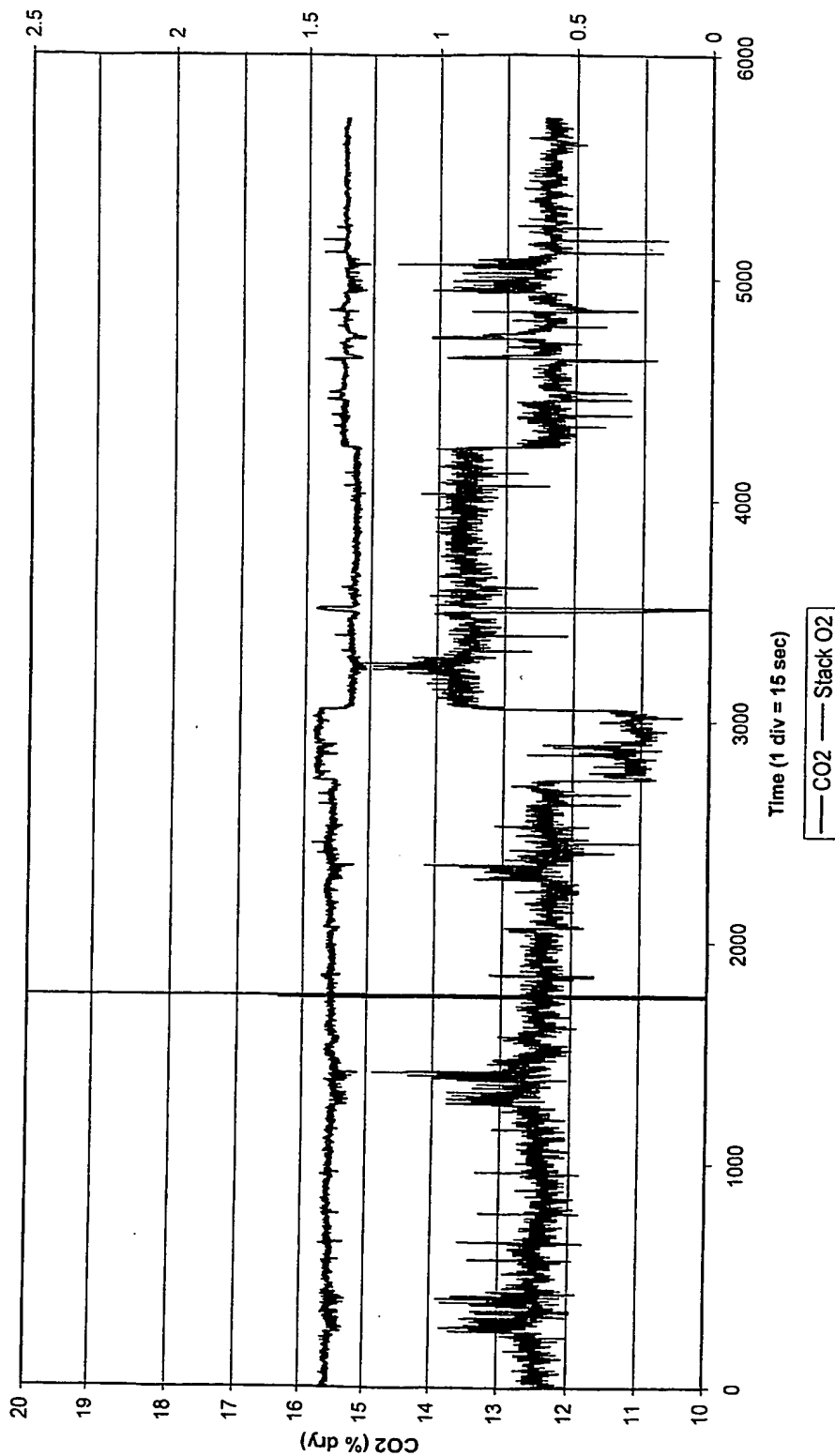
Fig 8b - Stack oxygen levels (Day 3)
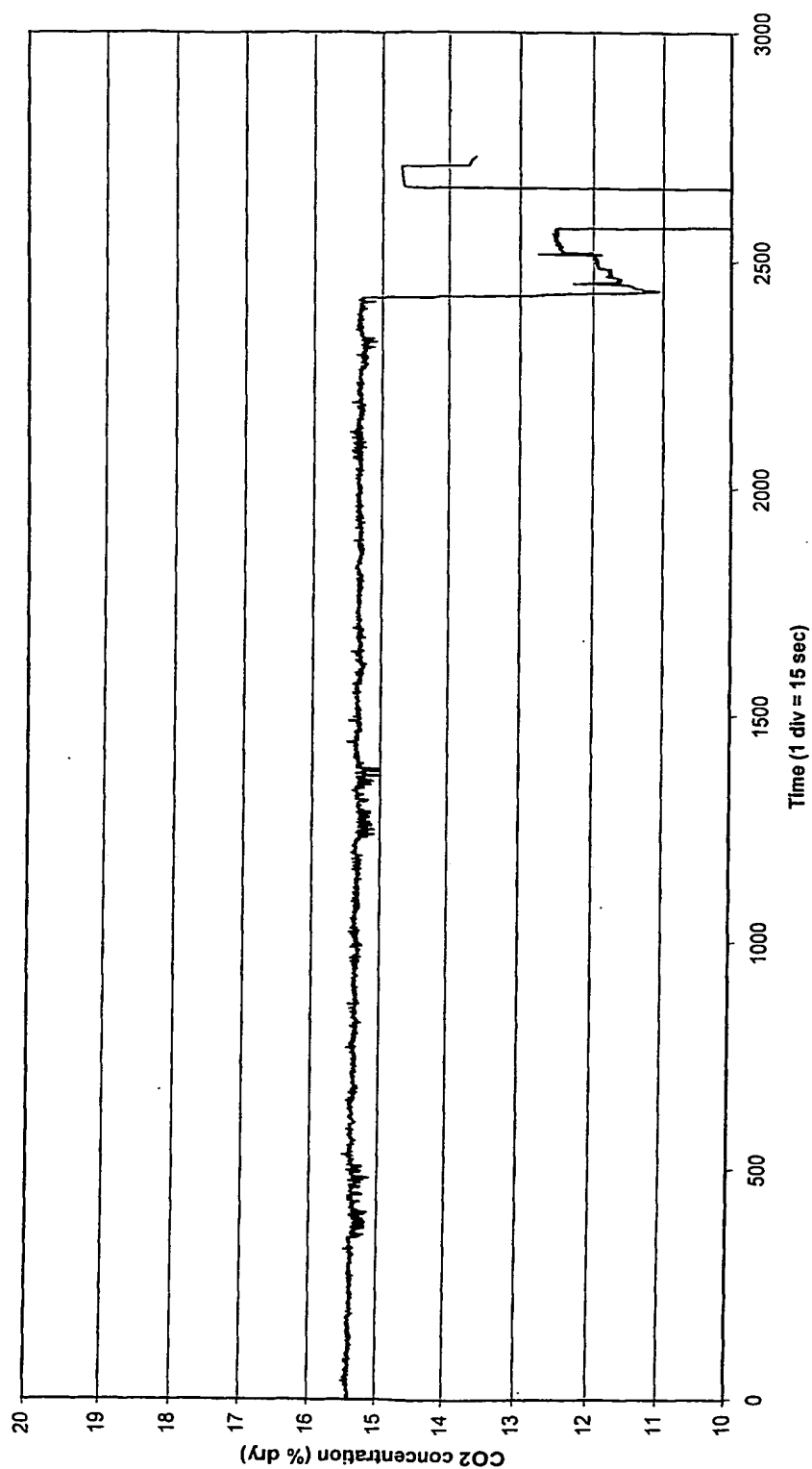
Fig 8c - Stack oxygen (Day 3)
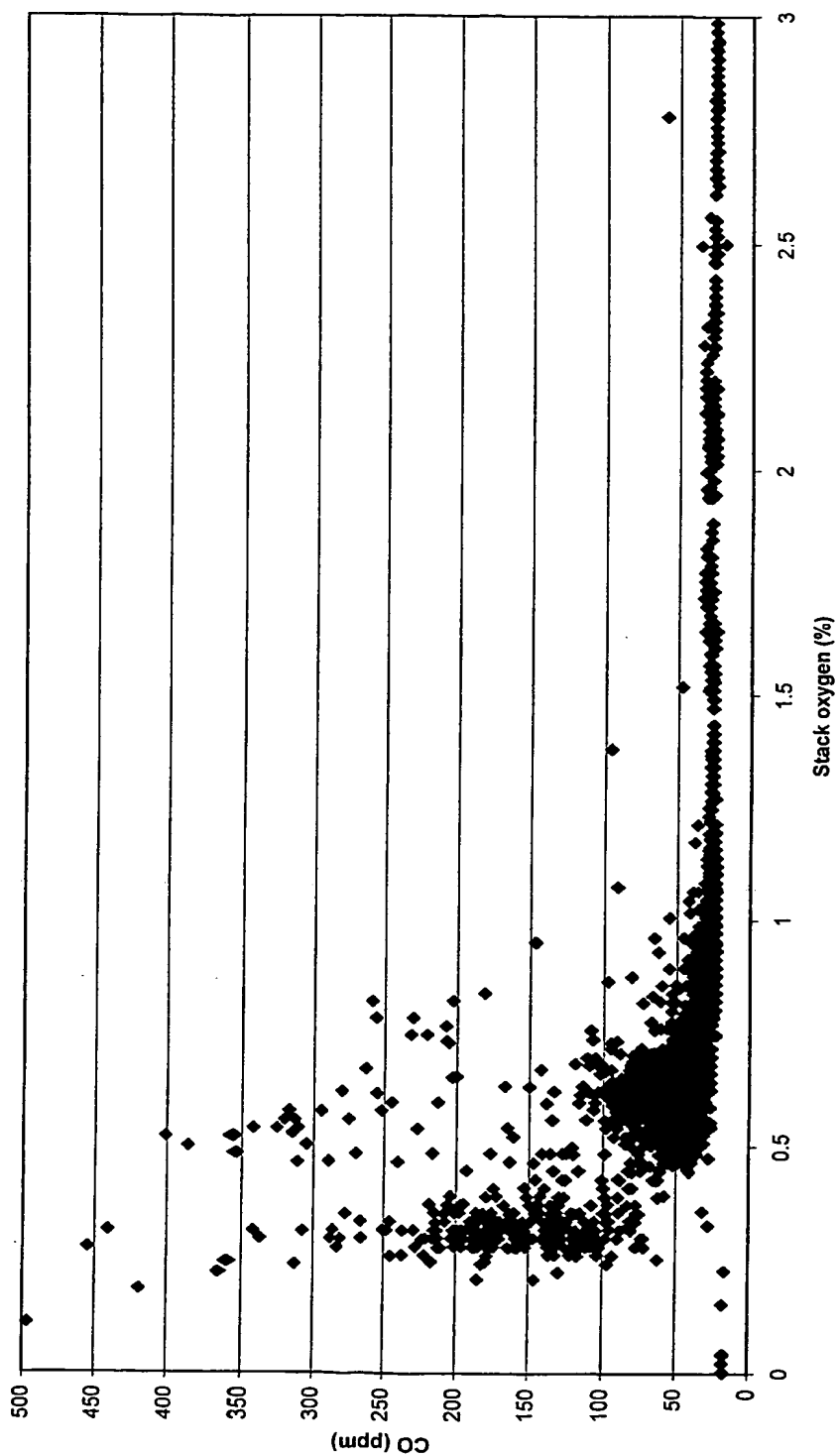
Figure 9a Stack CO2 levels (Day 1)
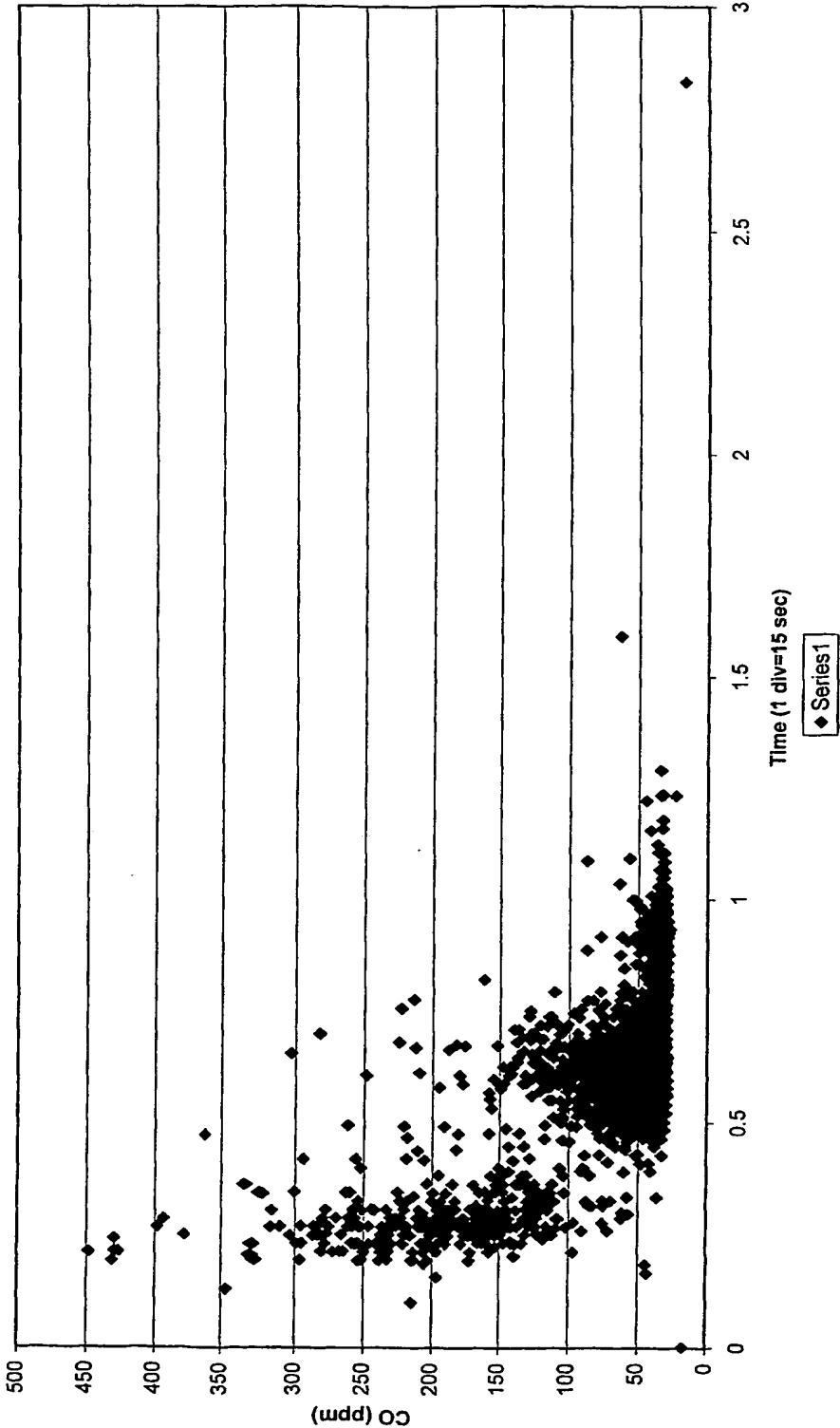
Fig 9b Stack CO2 levels (% dry)
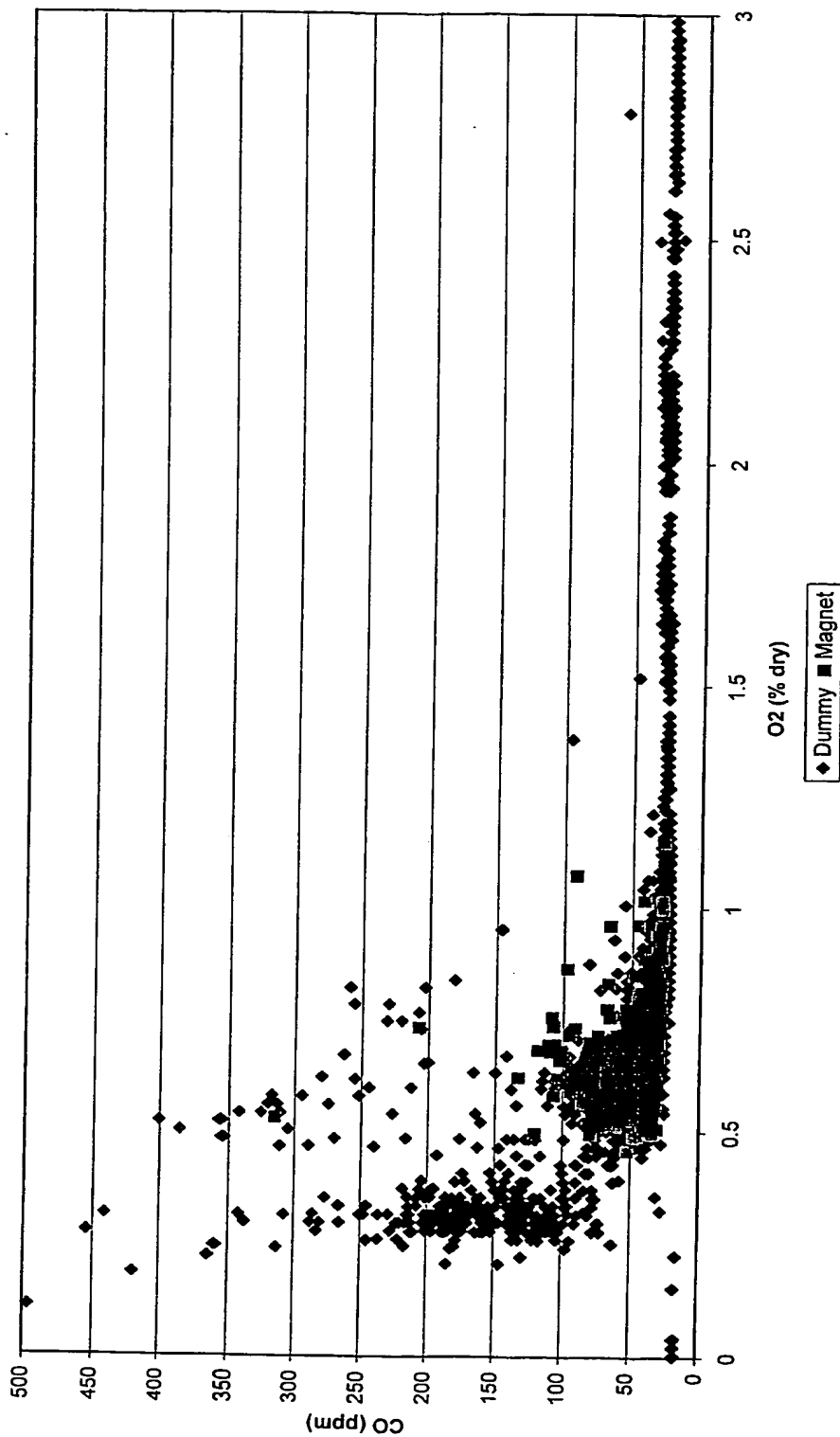
Fig 9c Stack CO2 levels (Day 3)

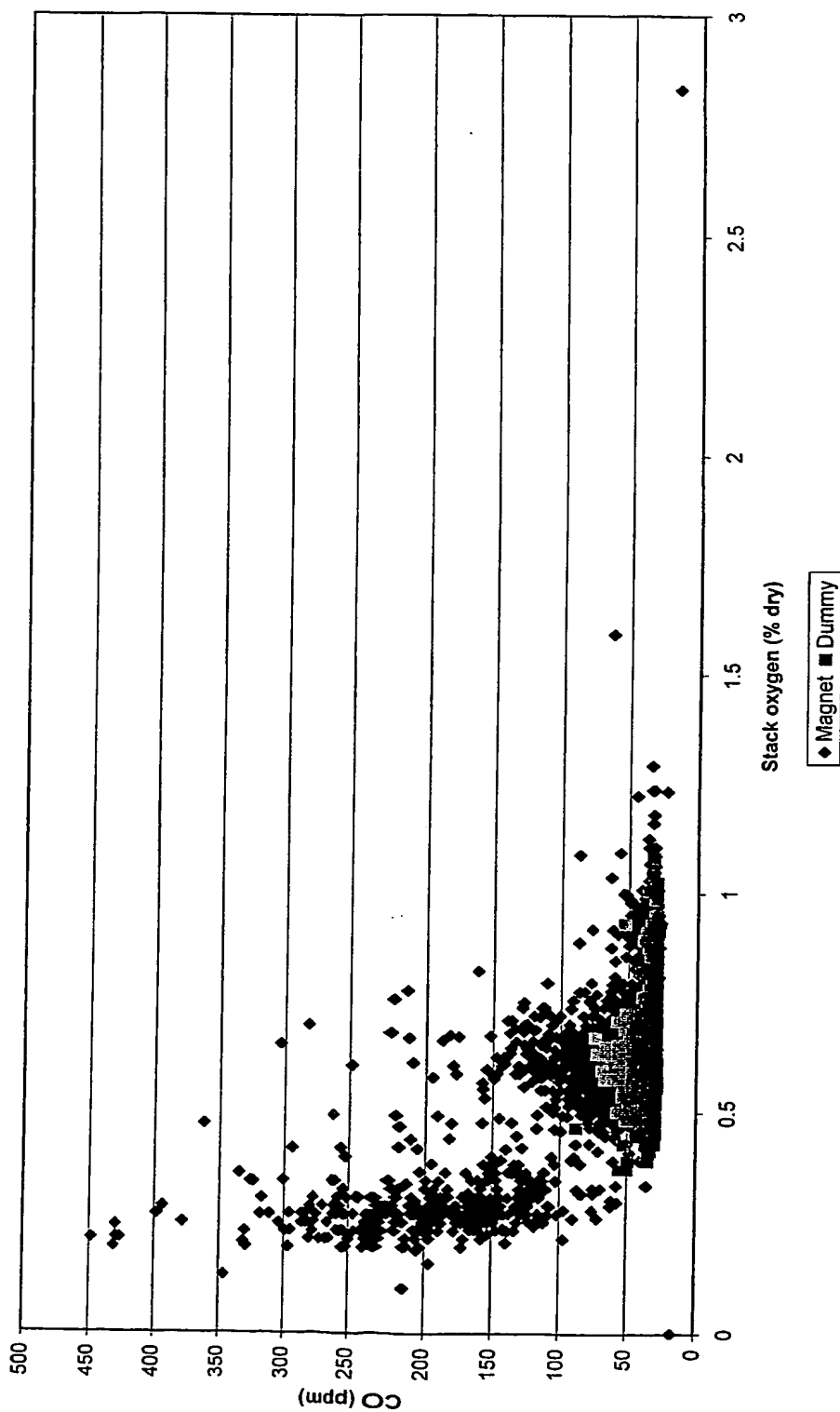Fig 10a - CO vs stack oxygen

Figure 10b CO levels vs stack oxygen (Day 2)

Fig 11a CO vs Stack O2 Day 1
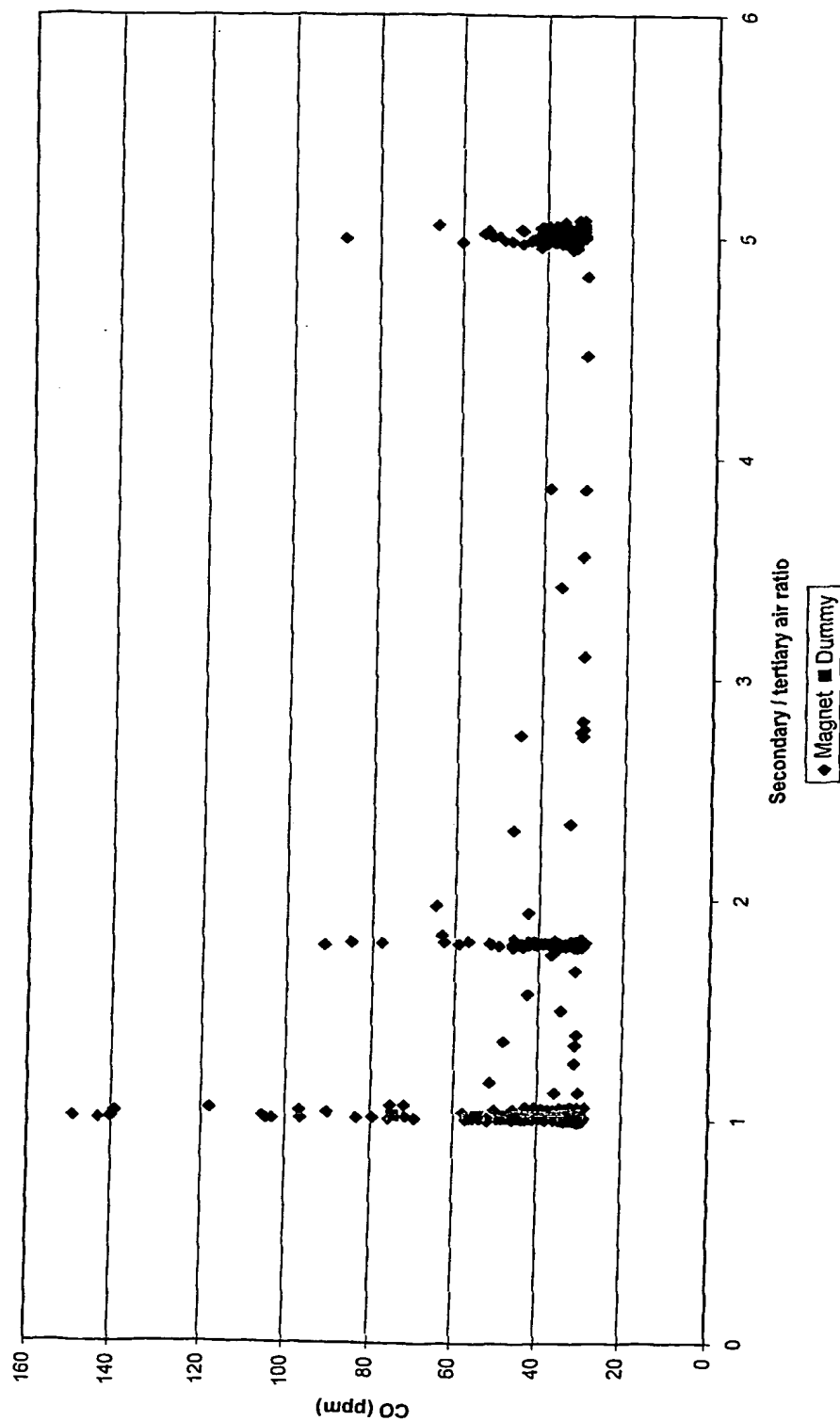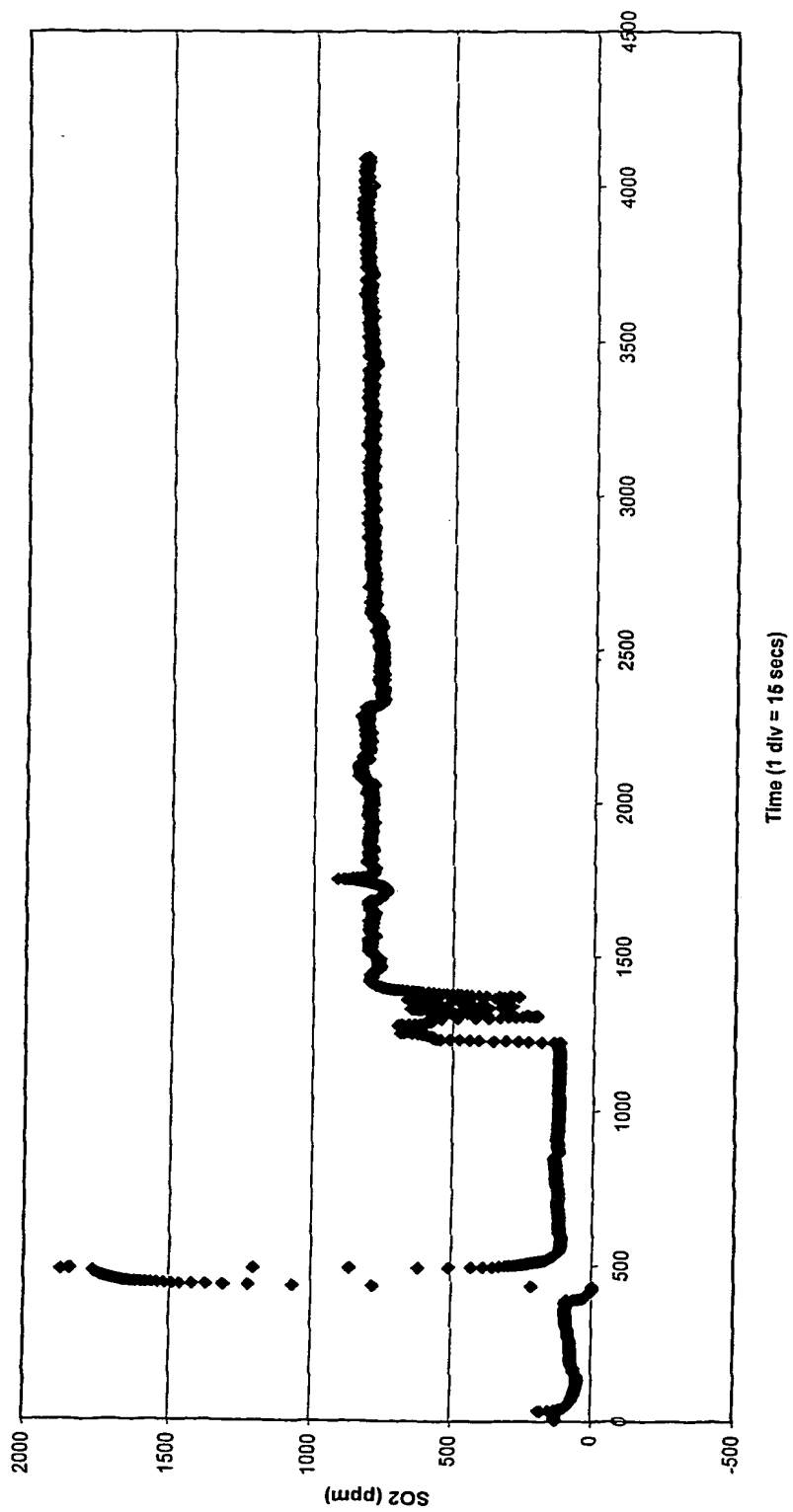
Fig 11b CO vs Stack oxygen (Day 2 & 3)

Fig 12 CO vs Secondary / Tertiary air ratio (Day 2)
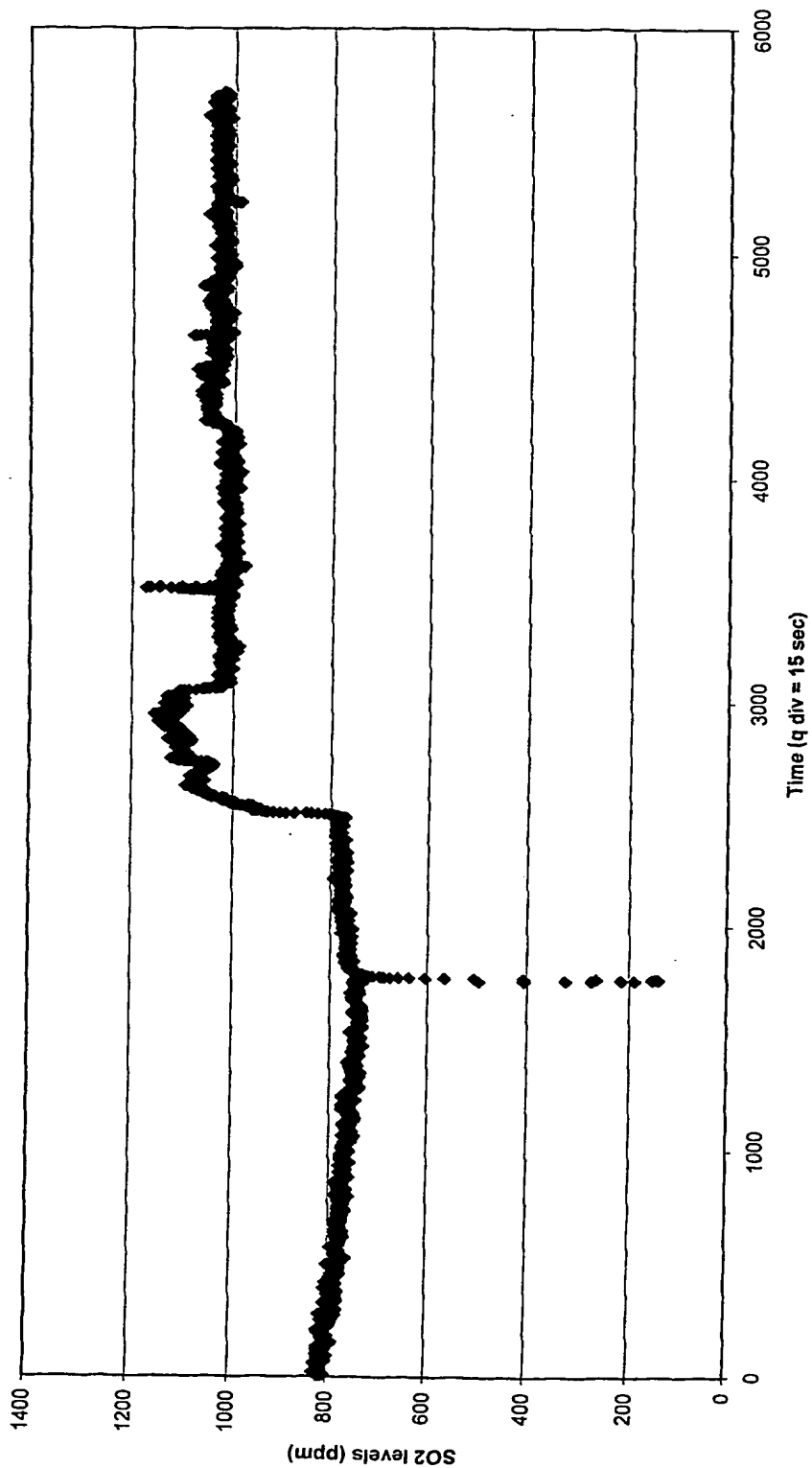
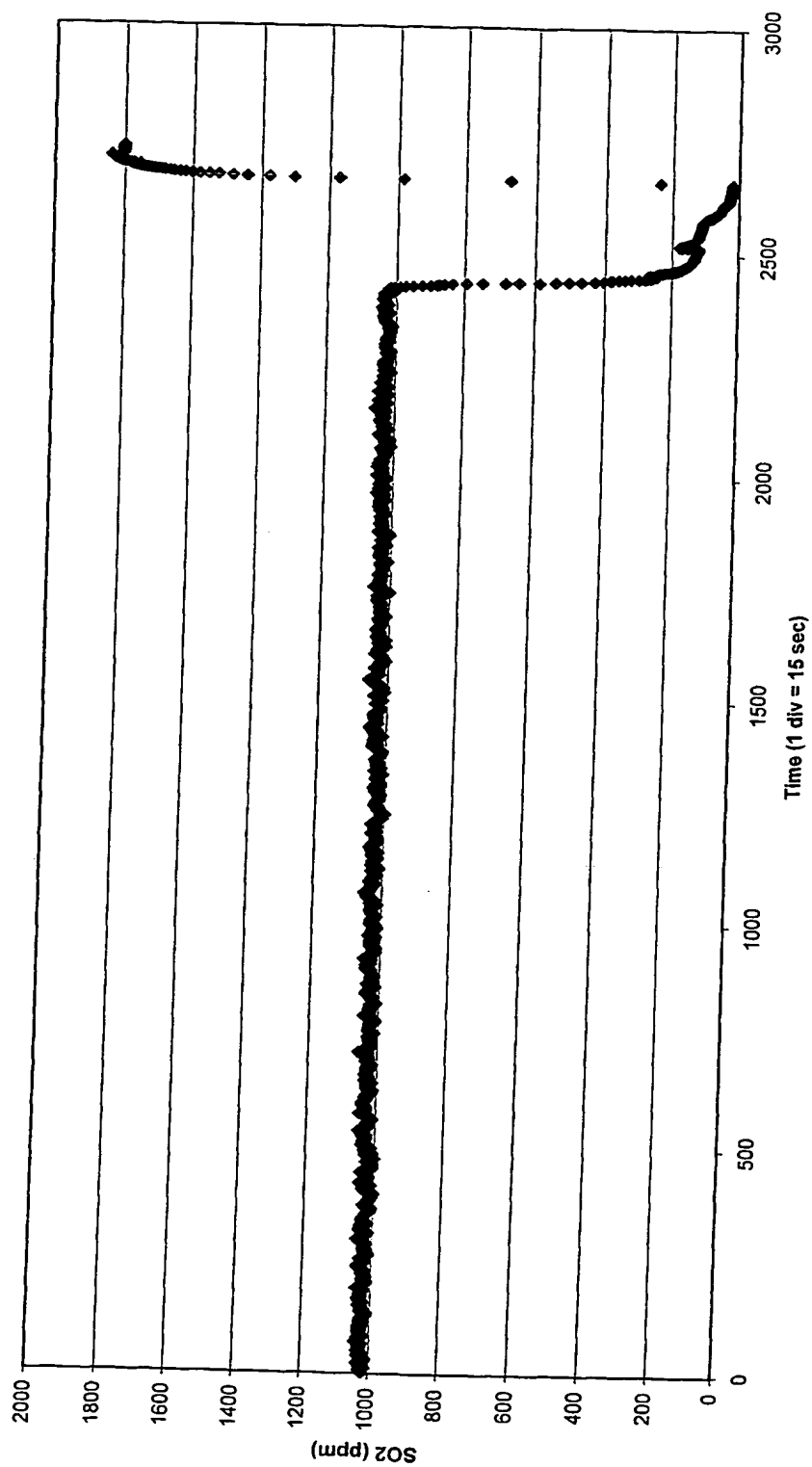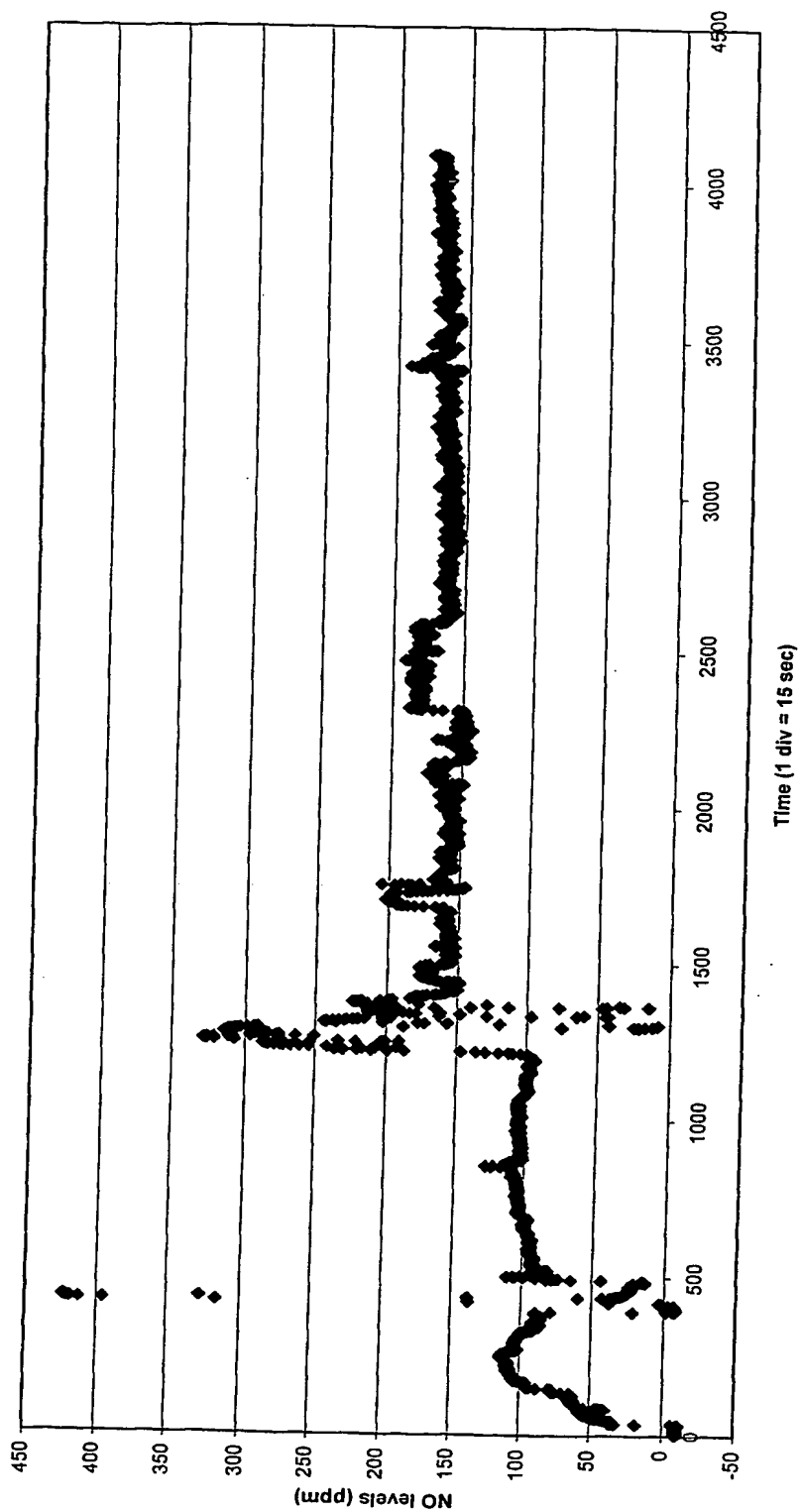Figure 13a SO2 levels (Day 1)

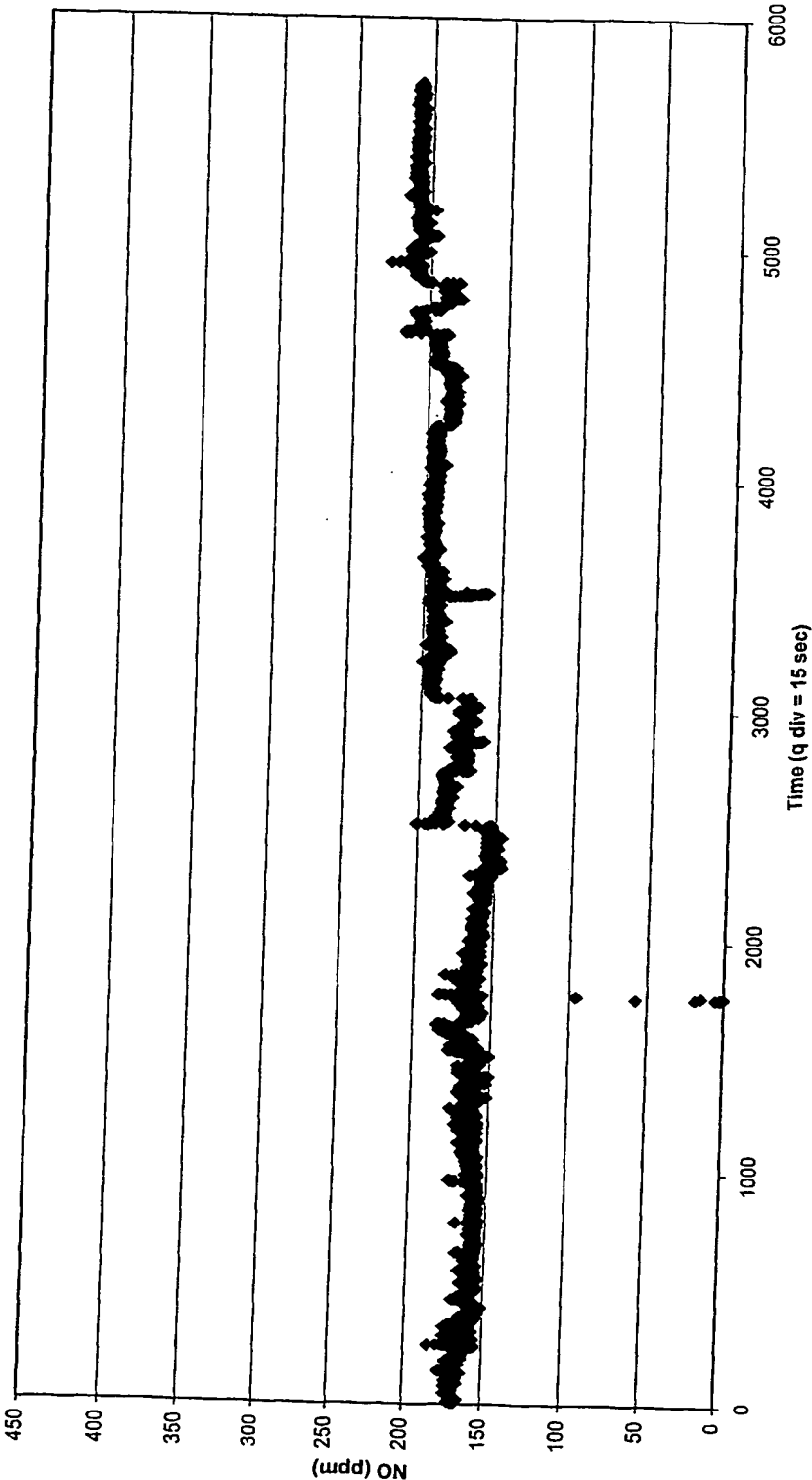Figure 13b SO2 levels (Day 2)
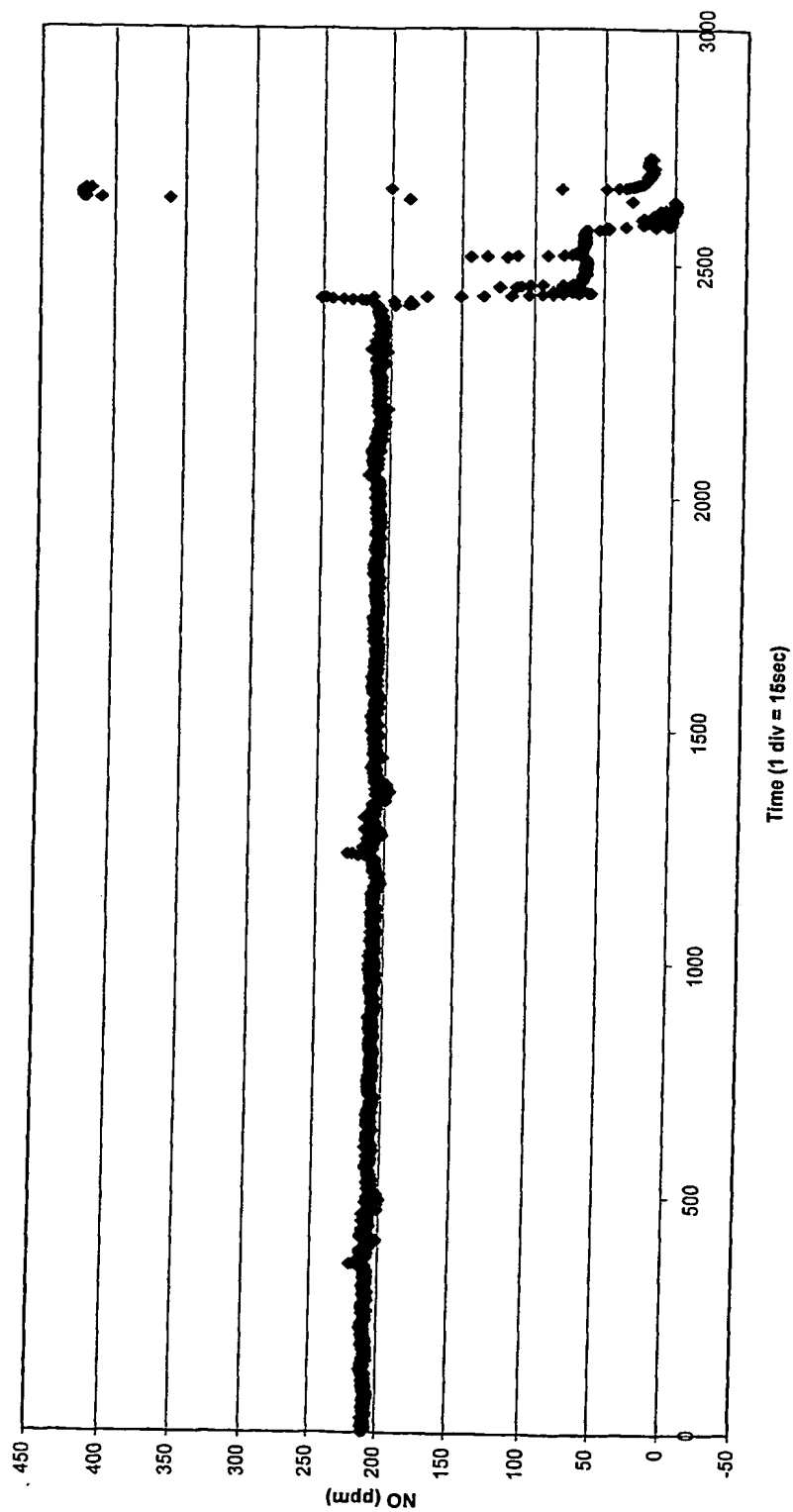
Figure 13c SO2 levels (Day 3)

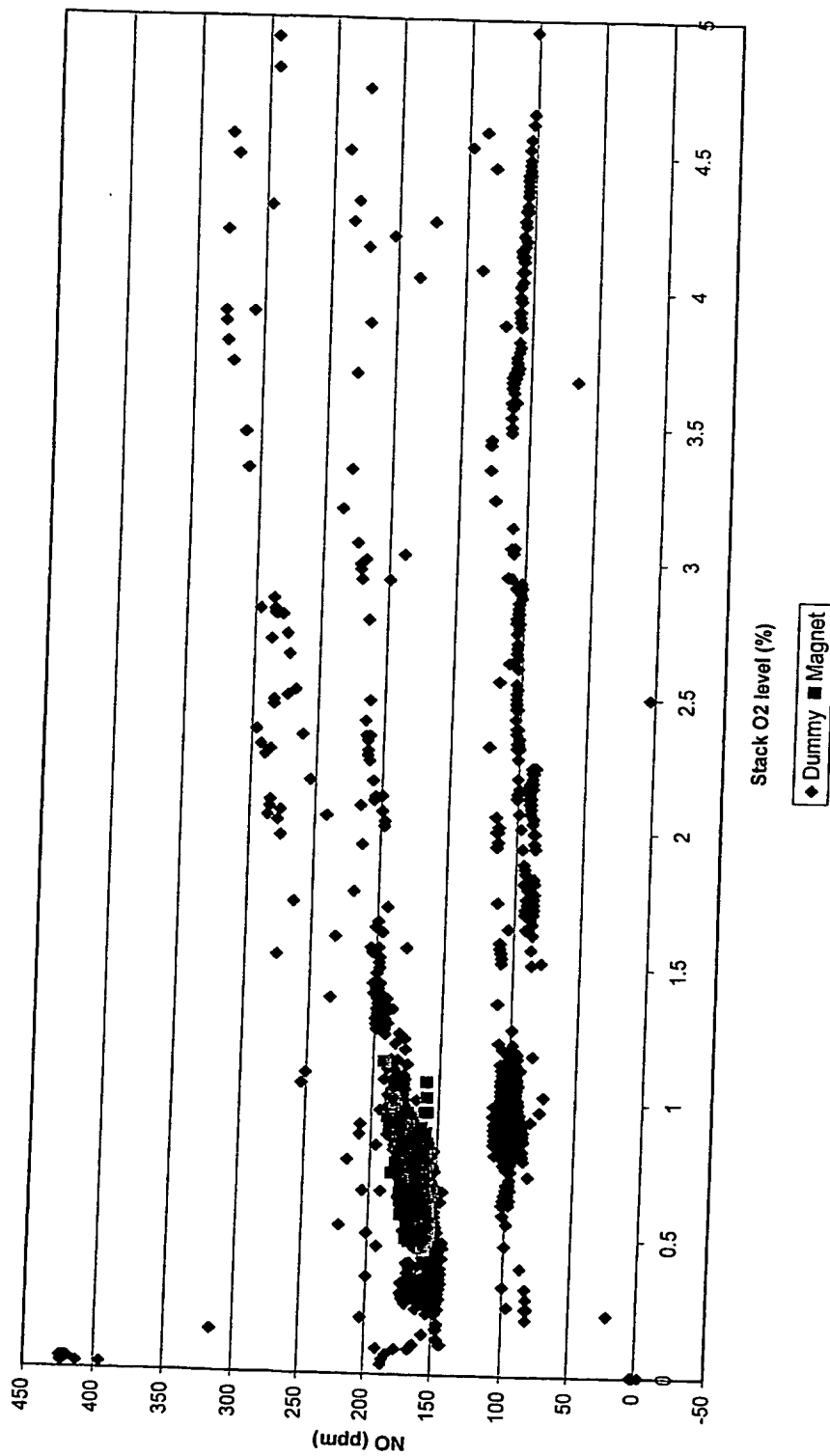Figure 14a NO levels (Day 1)

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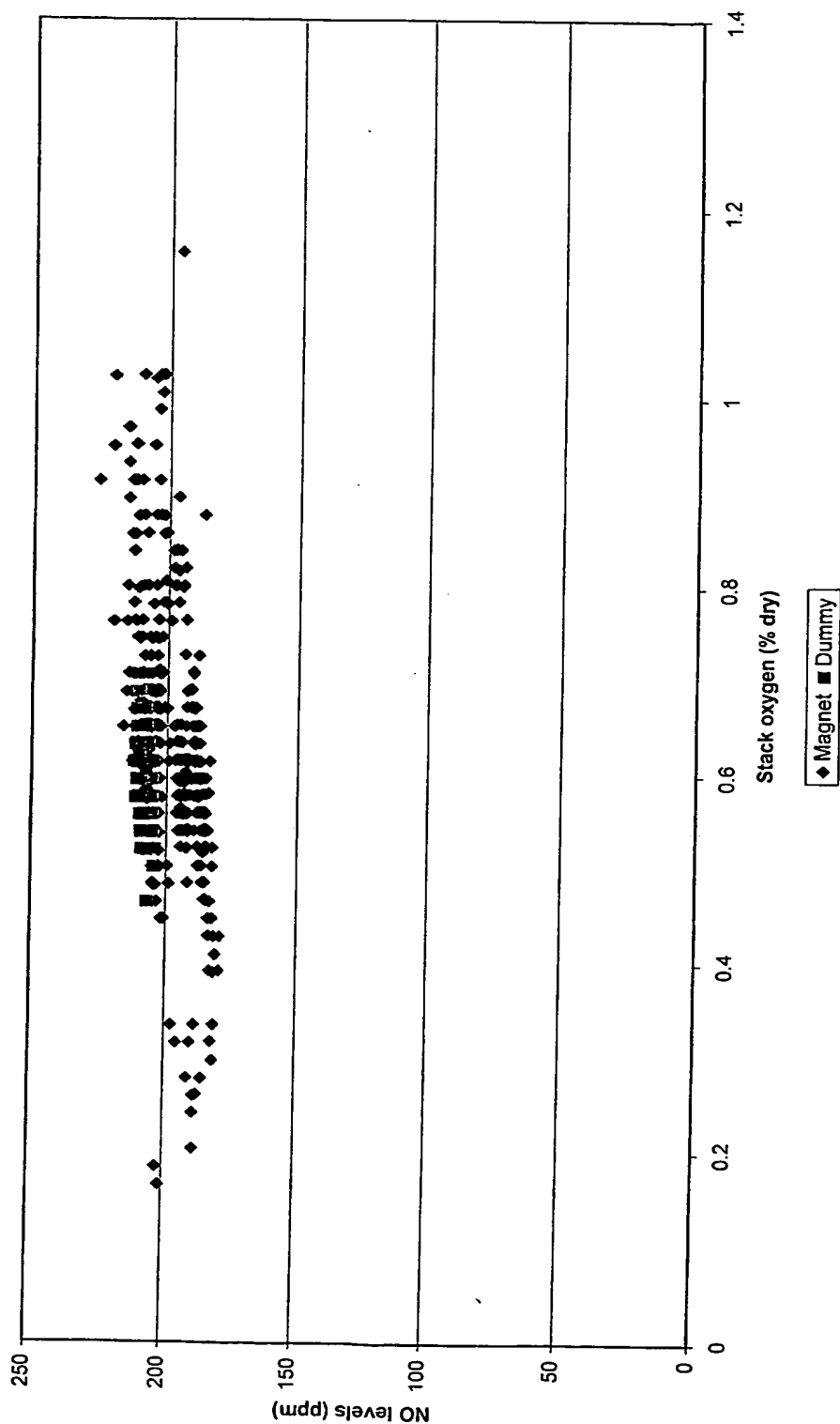Figure 14b NO levels (Day 2)

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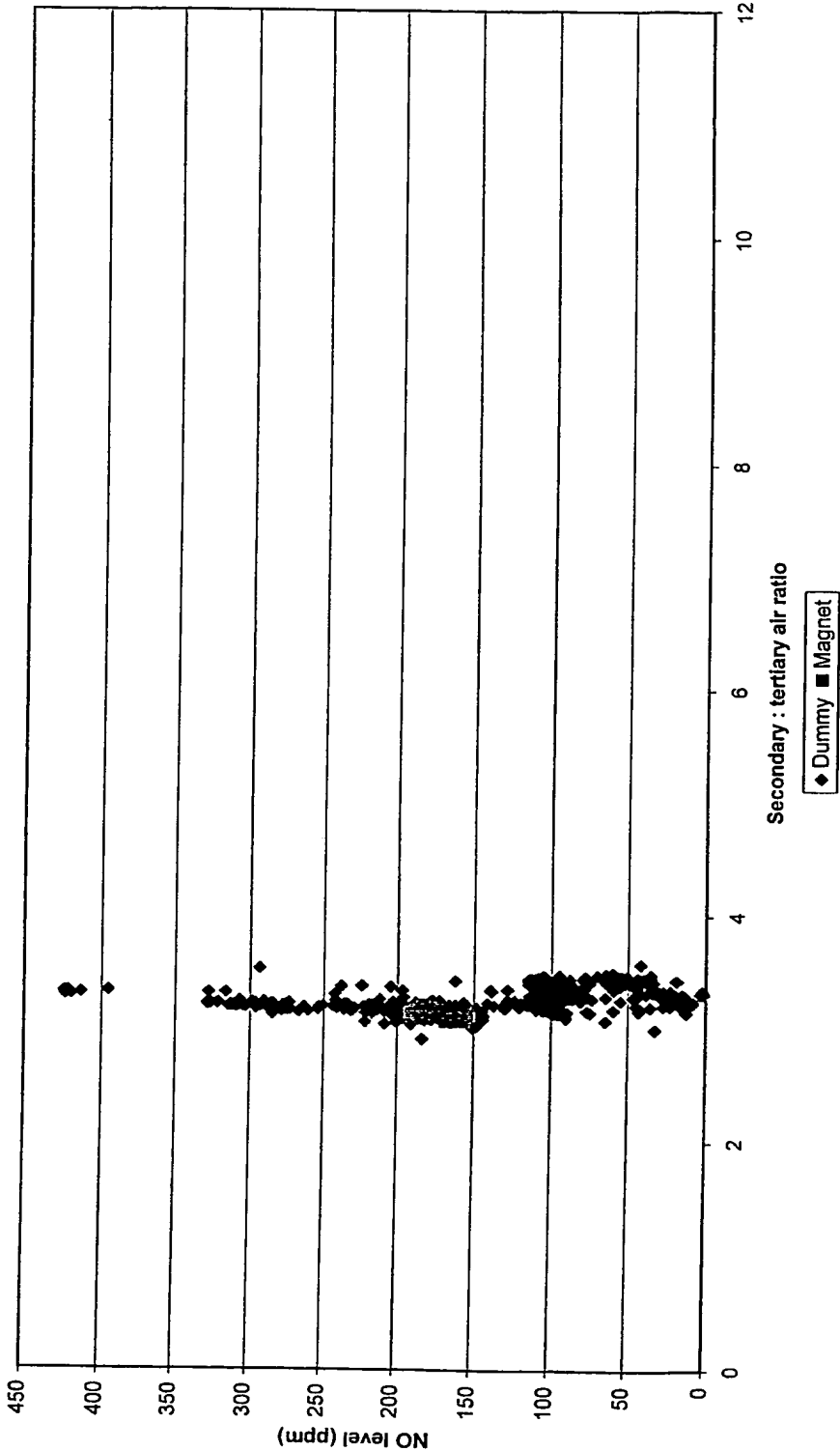Figure 14c NO levels (Day 3)

Figure 15a NO vs Stack oxygen level (Day 1)

Fig 15b - NO levels vs. stack oxygen level (Day 2)
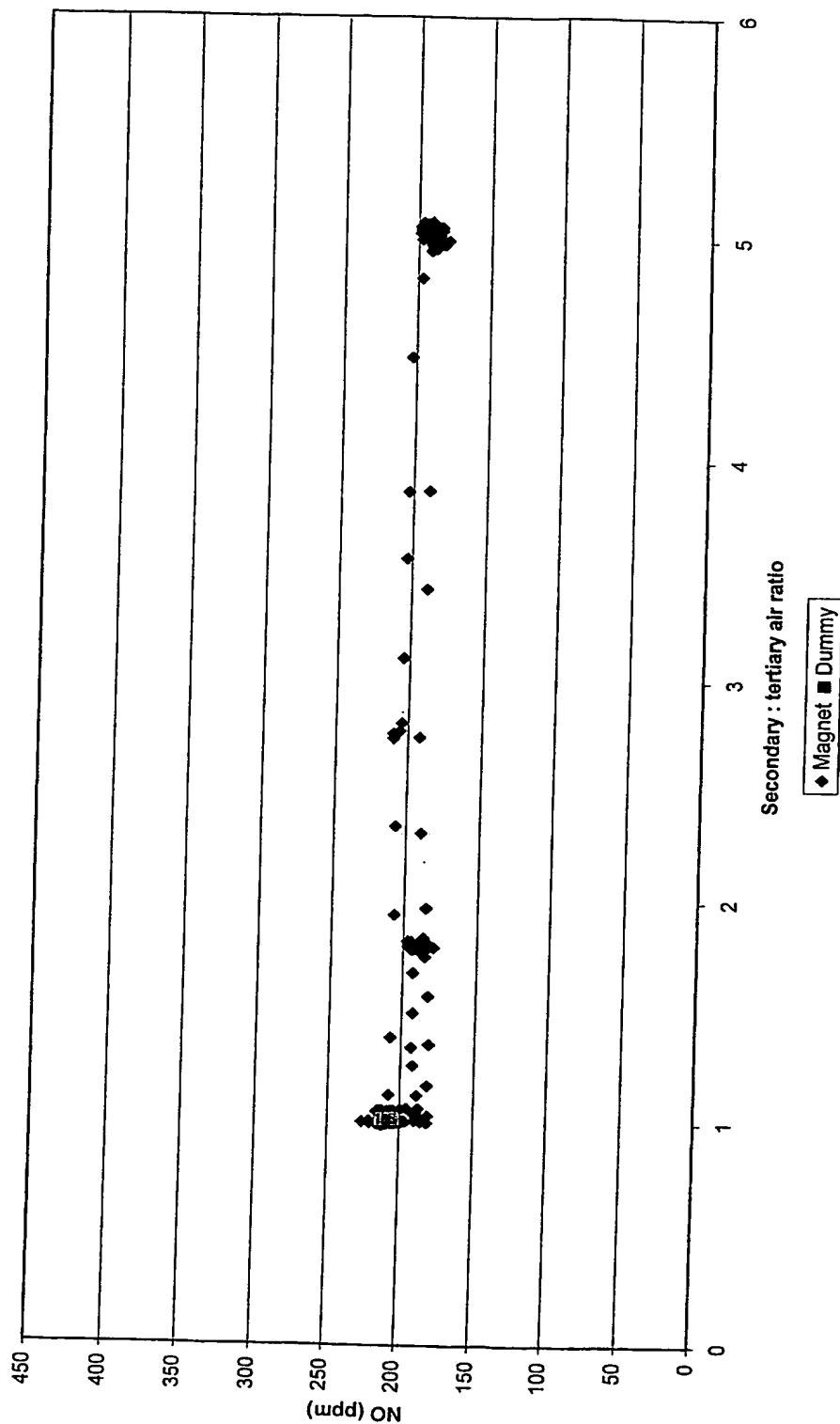
Figure 16a NO levels vs Secondary : Tertiary air ratio (Day 1)

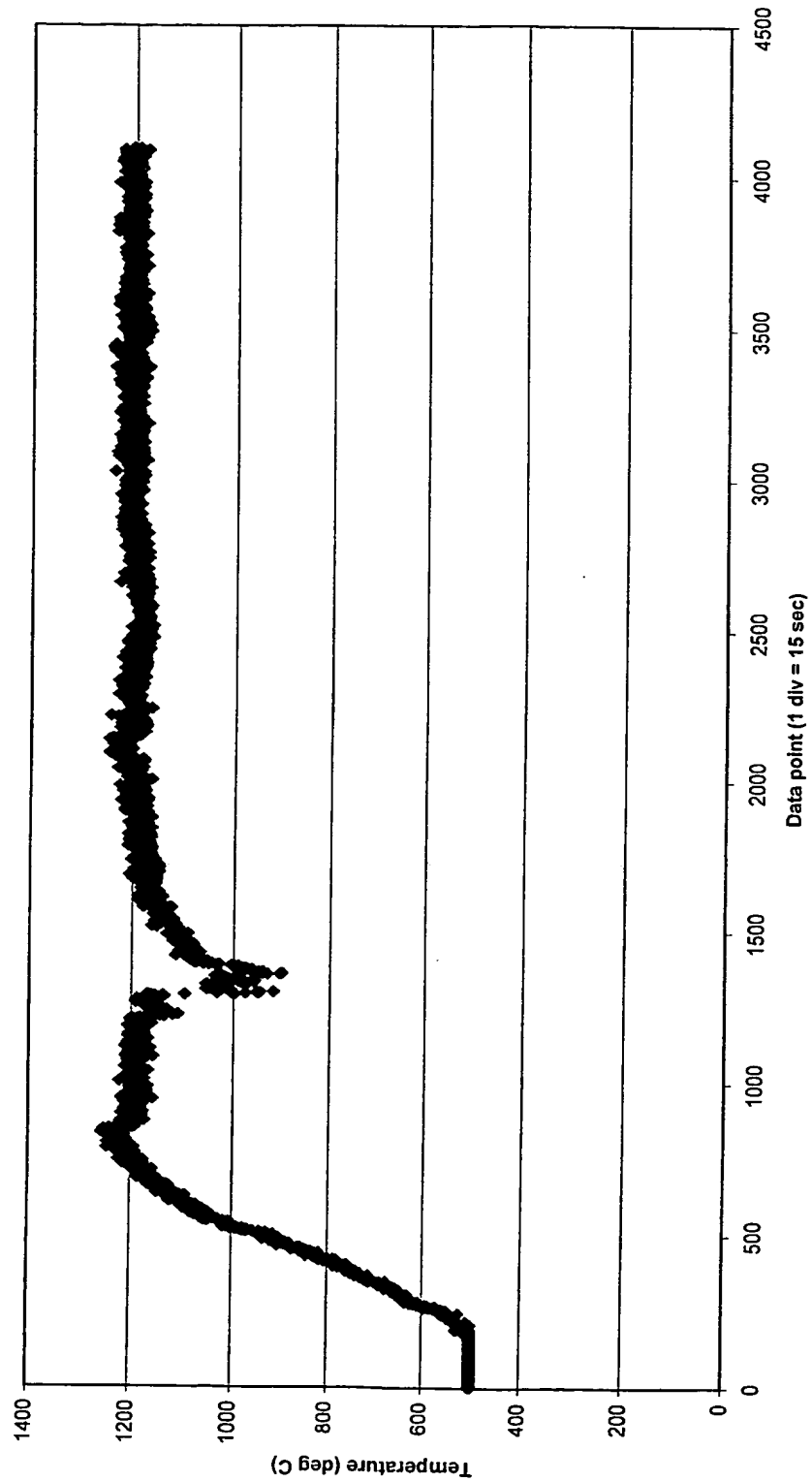Fig 16b NO levels vs Secondary : Tertiary air ratio (Day 2)
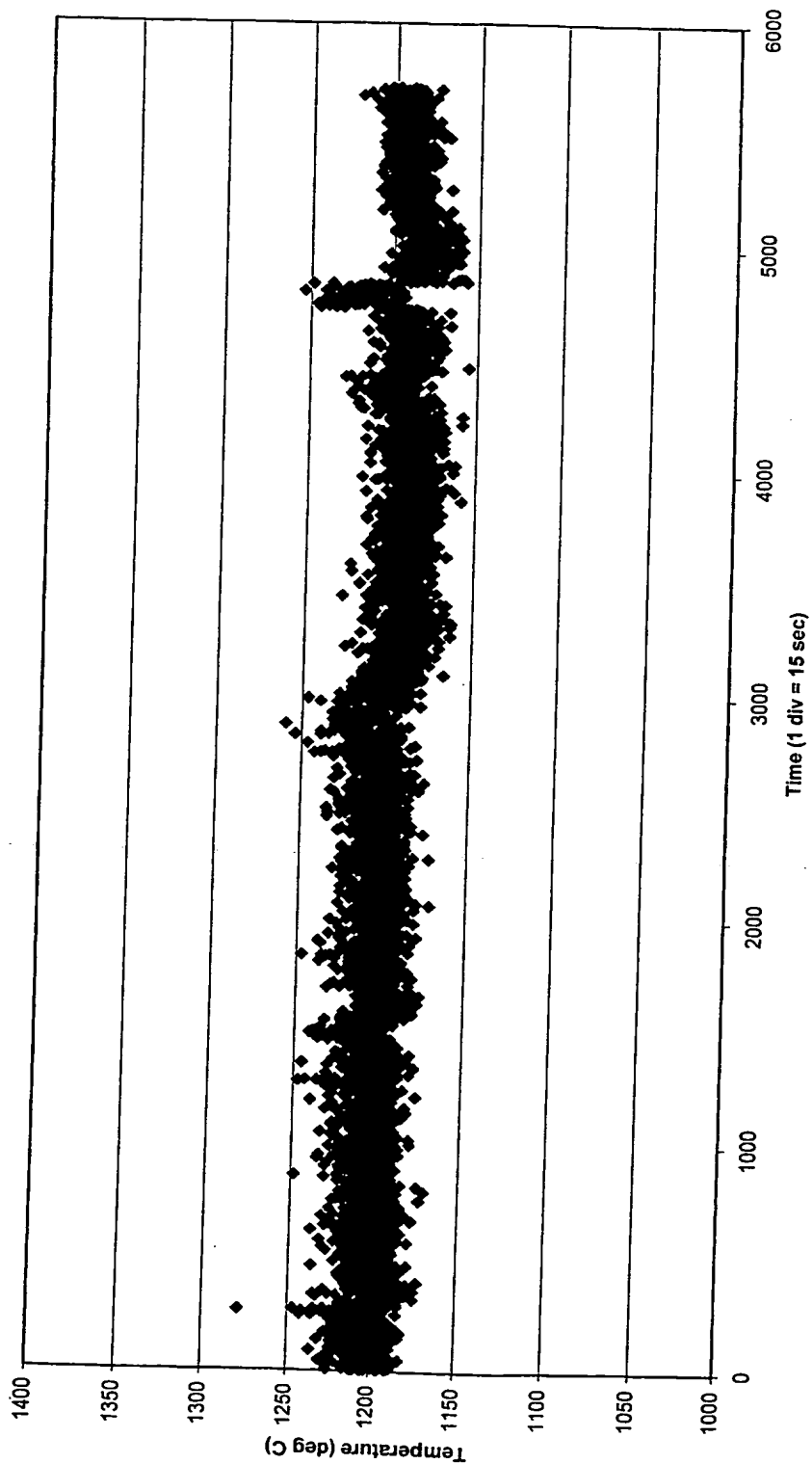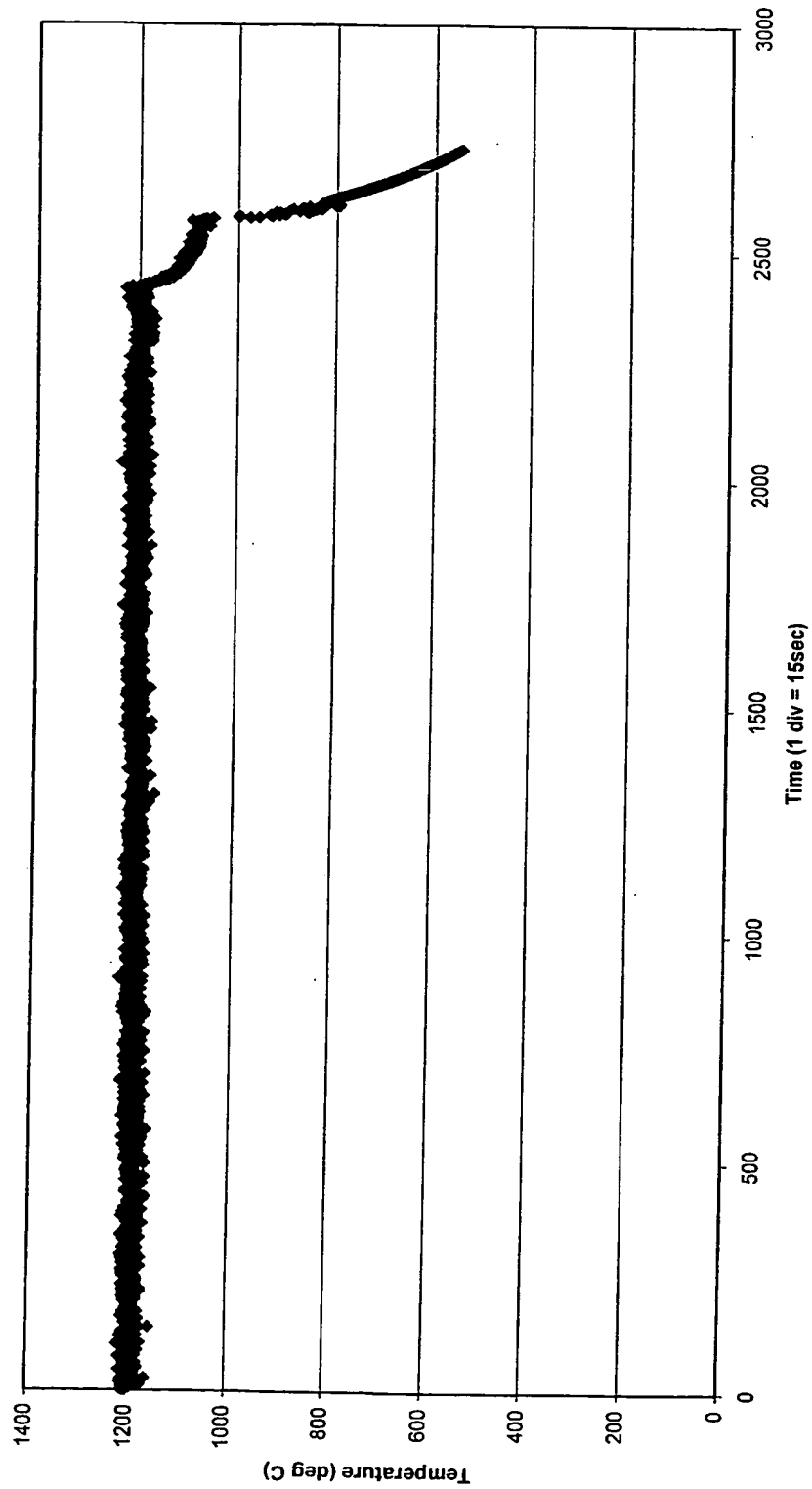
Figure 17a Combustion chamber temperature (Day 1)
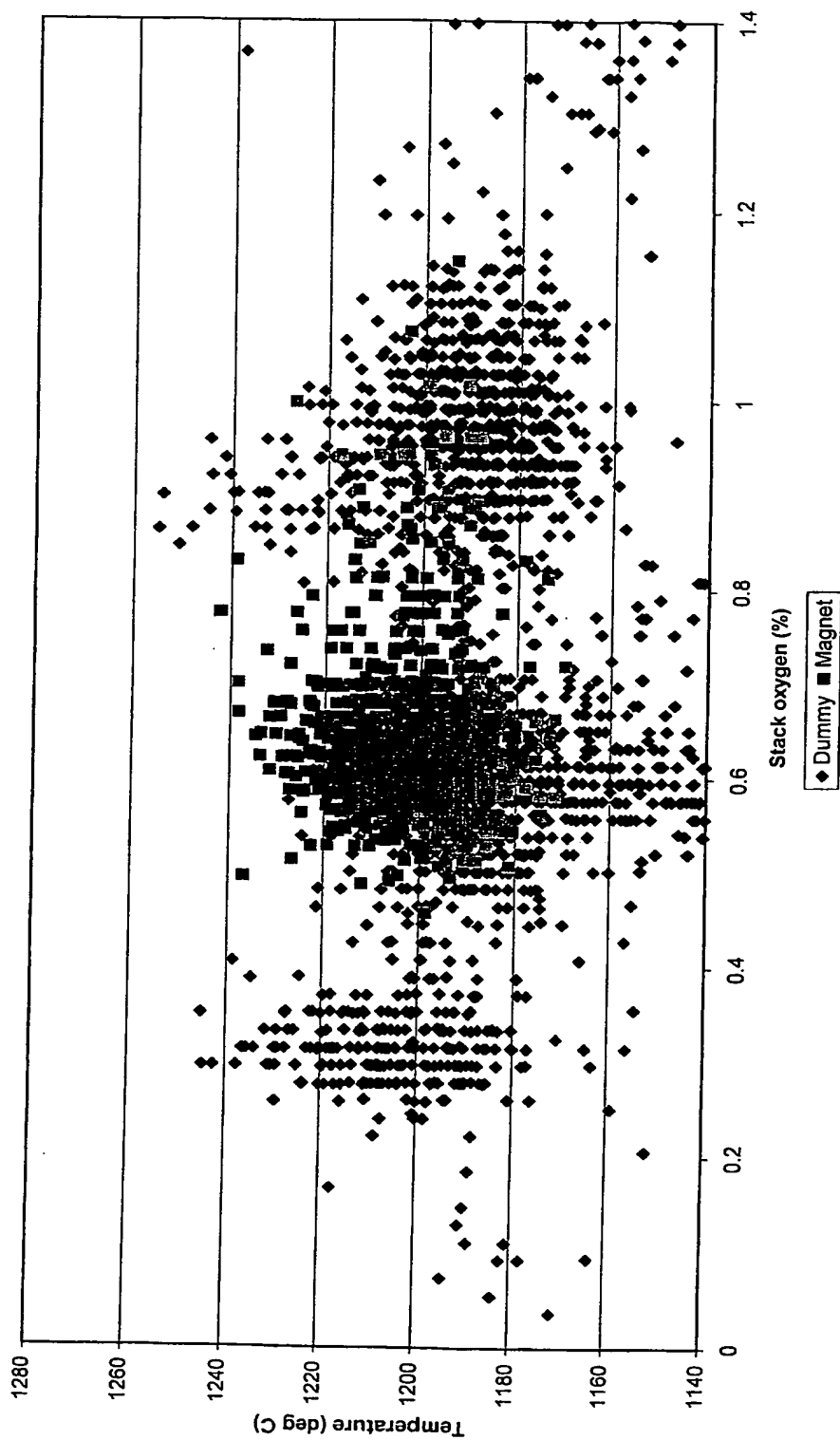
Figure 17b - Combustion Chamber Temperature (Day 2)

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Figure 17c Combustion Chamber Temperatures (Day 3)

Figure 18a Combustion chamber temperature vs stack oxygen (Day 1)

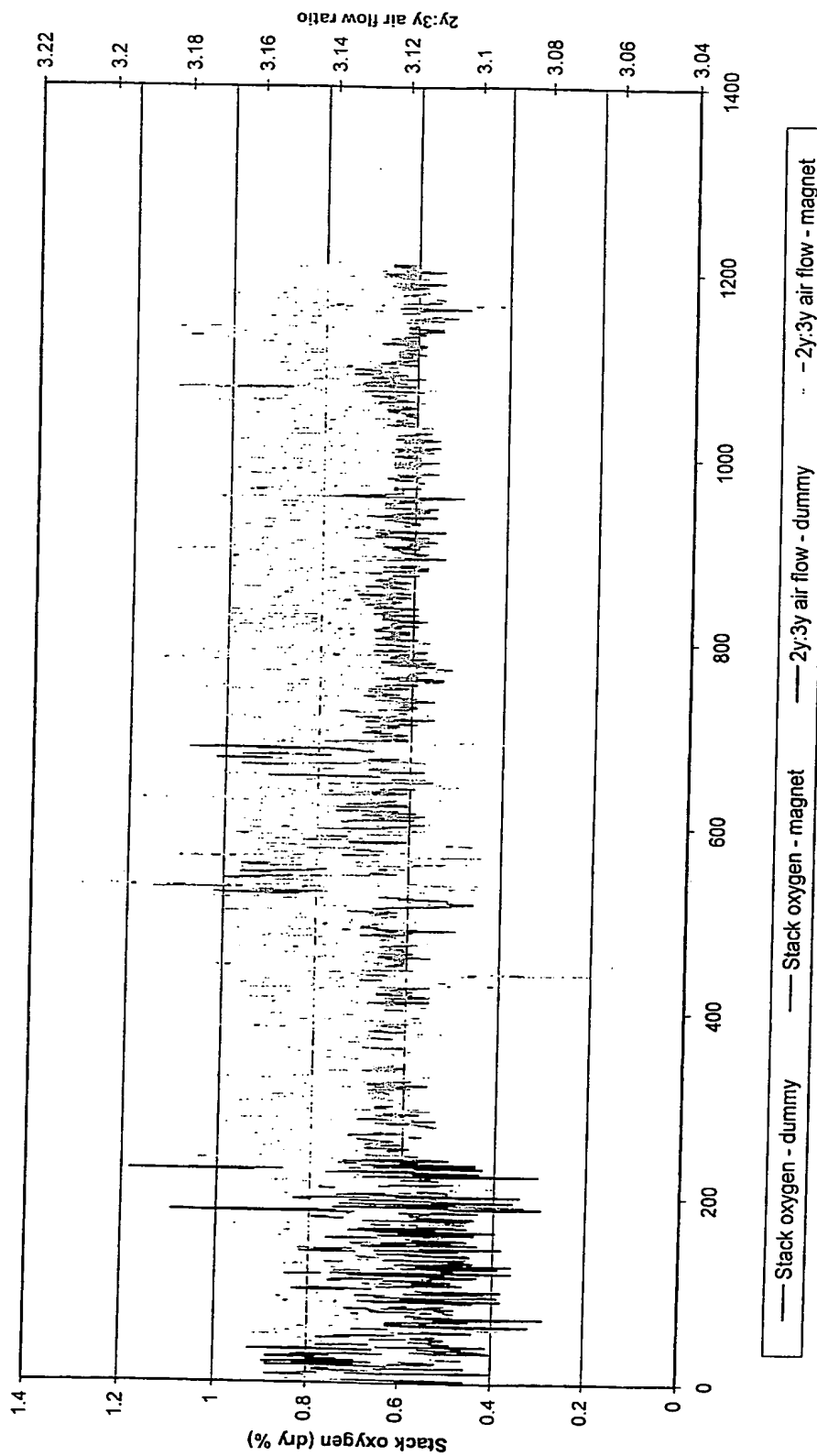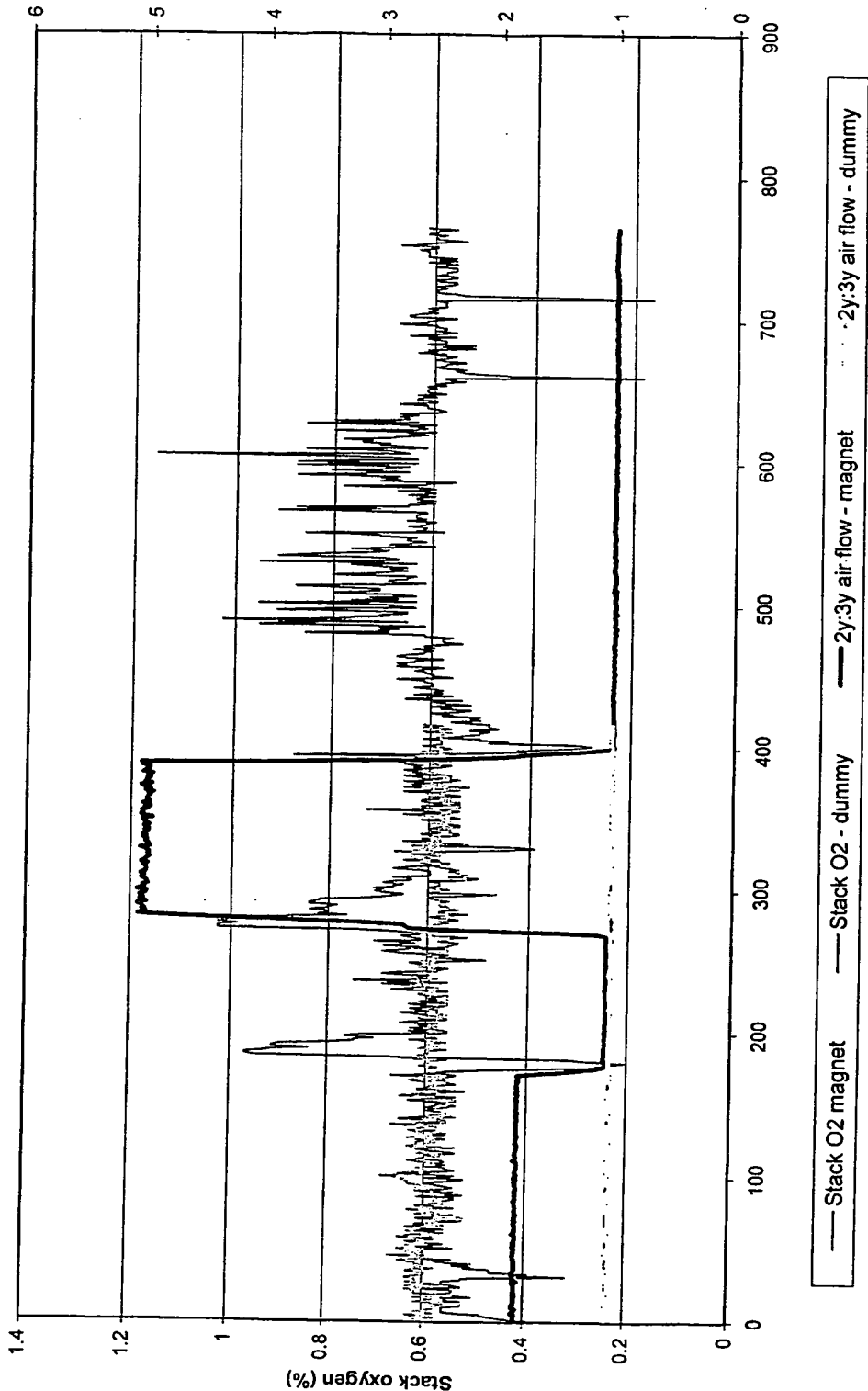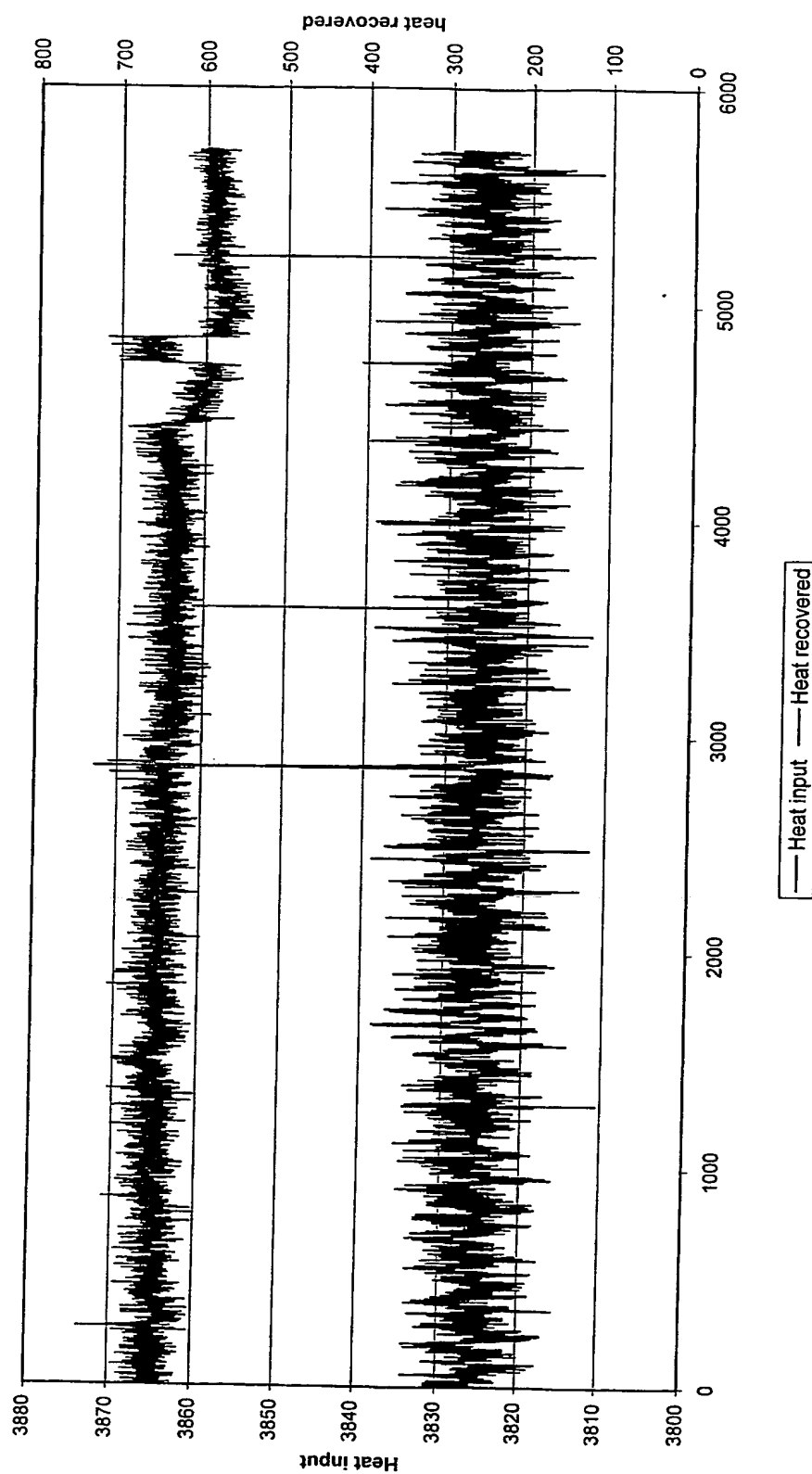Fig 19a Comparison of 2y:3y air flows and stack oxygen during comparative period (Day 1)

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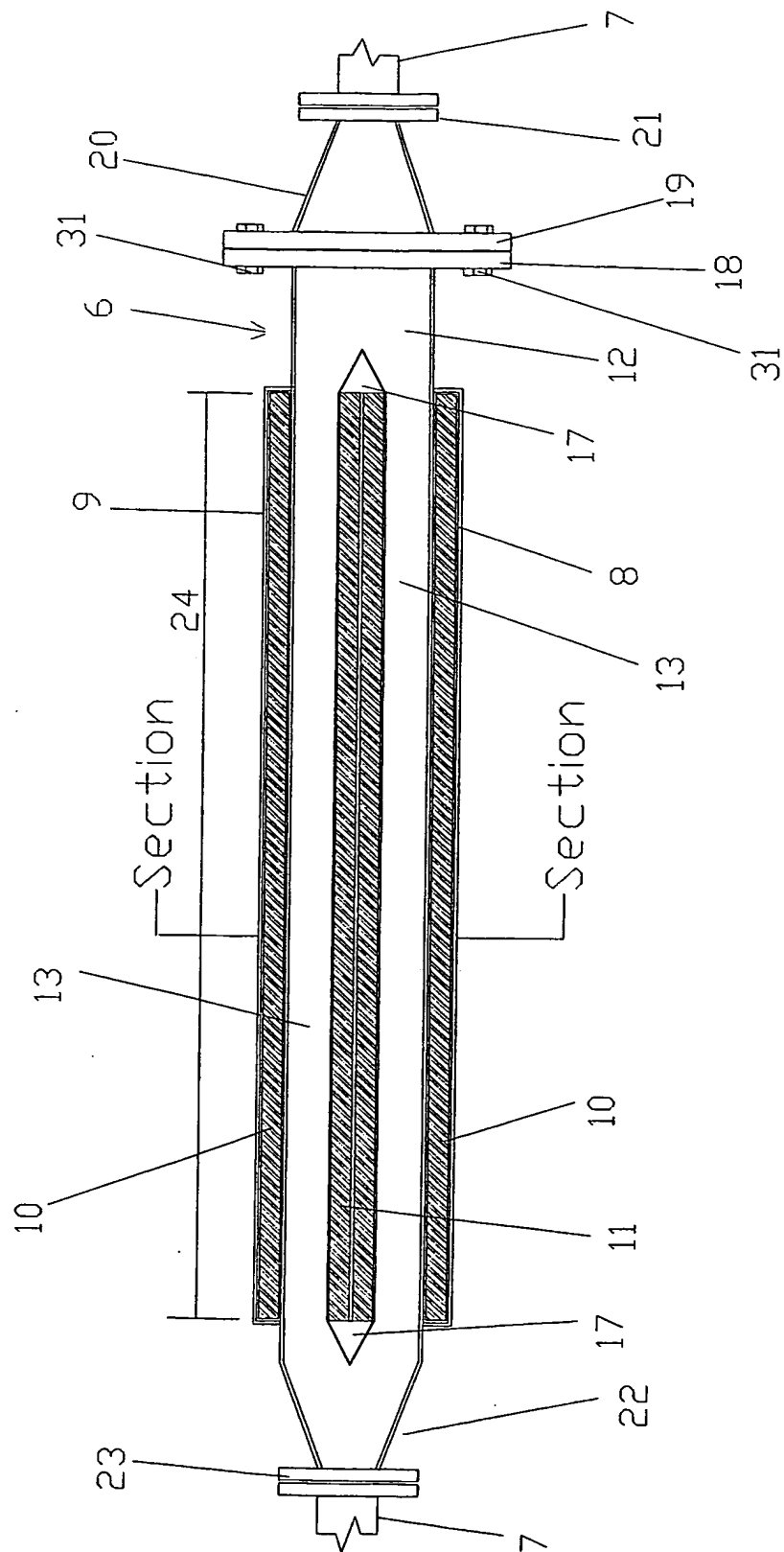Fig 19b Stack oxygen and secondary / tertiary air ratio for Day 2 comparison period
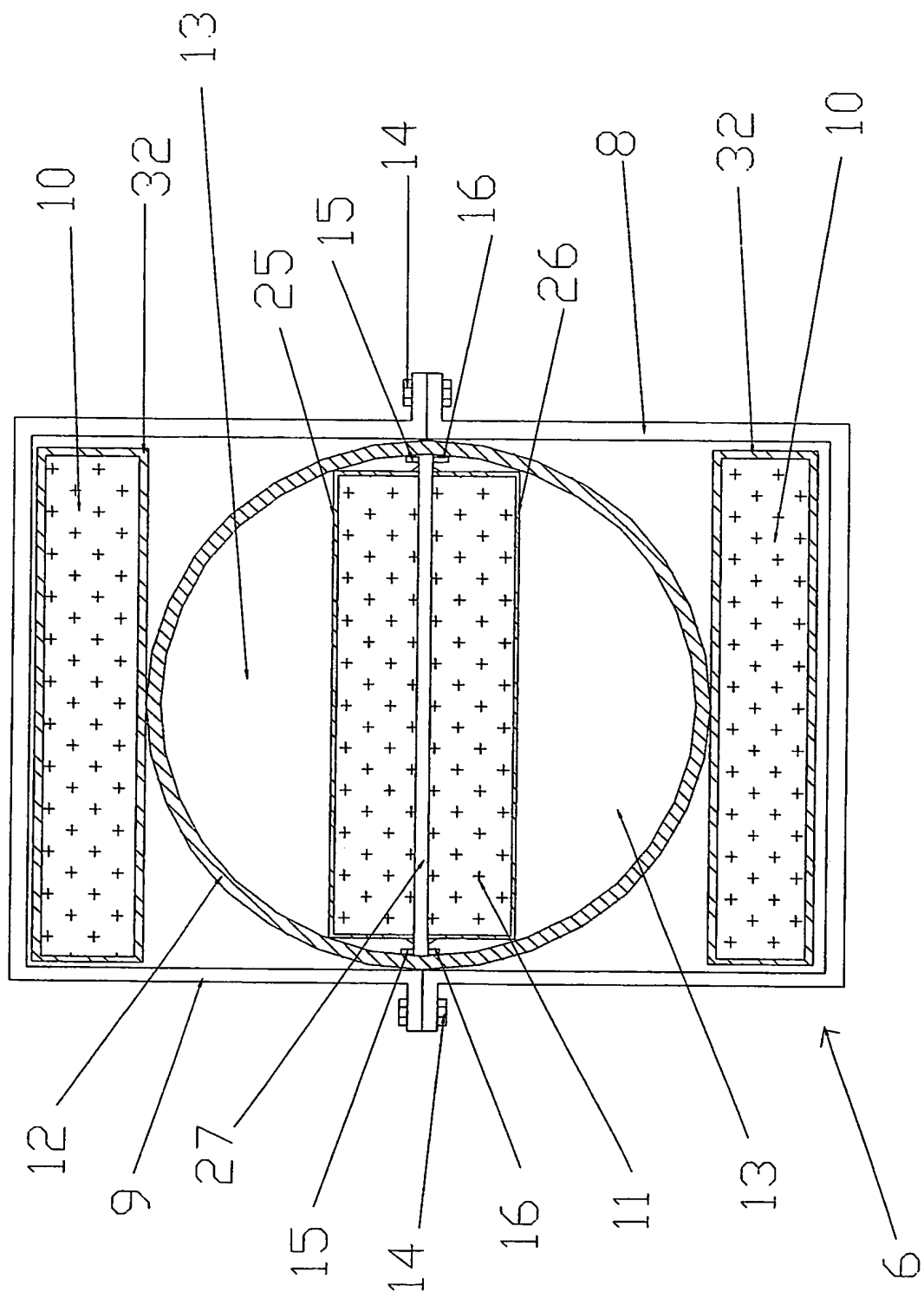
Fig 20 Heat input and heat recovered (Day 2)

Figure 21

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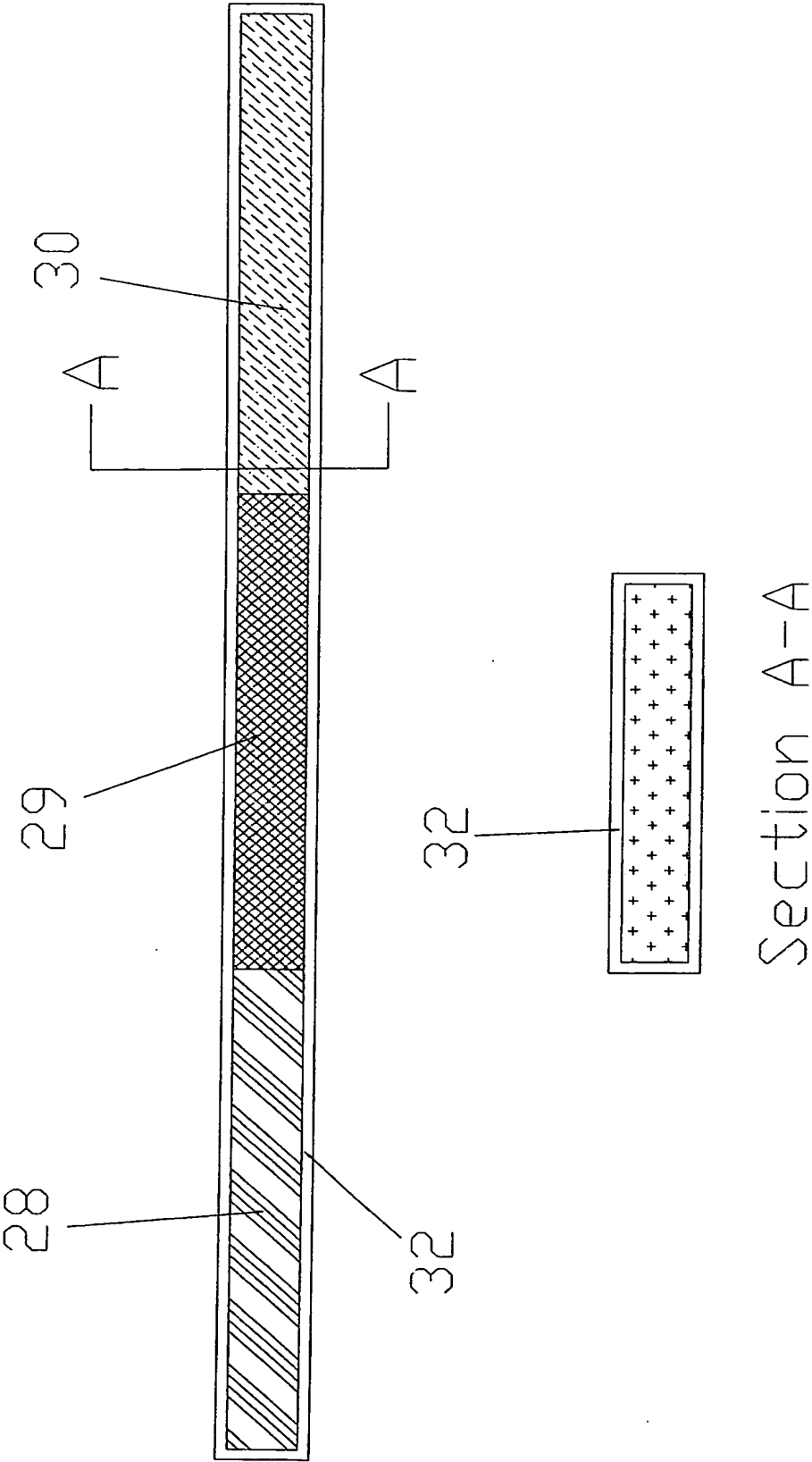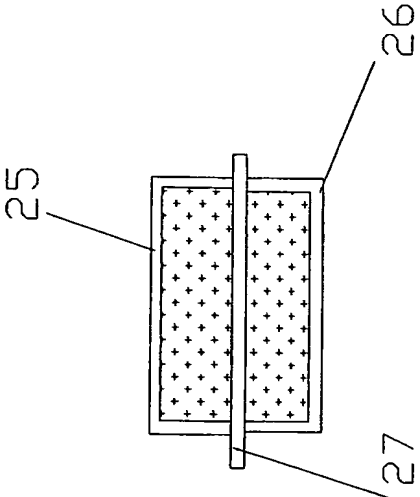
Figure 22

Figure 23

Section A-A

Figure 24

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B

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B

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Section B-B

Figure 25